

भारत का राजपत्र The Gazette of India

आधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 9]

नई दिल्ली, शनिवार, मार्च 4, 1995 (फाल्गुन 13, 1916)

No. 9]

NEW DELHI, SATURDAY, MARCH 4, 1995 (PHALGUNA 13, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 4th March 1995

Patent Office Branch,
61, Wallajah Road,
Madras-600002.

The States of Andhra Pradesh, Karnataka, Kerala,
Tamilnadu, and the Union Territories of Pondicherry,
Goa, Daman and Diu, and the National Capital Territory of Delhi.

ADDRESSES AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and
Branch Offices at Bombay, Delhi, and Madras having territorial jurisdiction on a zonal basis as shown below:—

Patent Office Branch,
Todi Estate, III Floor, Lower Patel (West),
Bombay-400013.

The States of Gujarat, Maharashtra and Madhya
Pradesh and the Union Territories of Goa, Daman and
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 403, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110005.

The States of Haryana, Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan and Uttar Pradesh and the
Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFFICE".

Telegraphic address "PATENTOFFICE".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents
or any fees required by the Patents Act, 1970 or the Patents
Rules, 1972 will be received only at the appropriate Offices
of the Patent Office.

Fees.—The fees may either be paid in cash or may be
sent by Money Order or payable to the Controller at the
appropriate Offices or by bank draft or cheque, payable to
the Controller drawn on a scheduled bank at the place where
the appropriate Office is situated.

पेटेंट कार्यालय
एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 4 मार्च 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडो-इस्टेट,
तीसरा तल, लोअर पररेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दमन और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नवमपाविका क्षेत्र, भवन,
यस्कती मार्ग, करोल बाग
नई दिल्ली-110005 ।

पंजाब, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाय तथा एमिनिविदि द्वीप ।

और पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बह्मनीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण-या-अन्य प्रलेख पेटेंट
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शब्द :—शब्दों की अवायवी या तो नक़द की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान को अनुसूचित
बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा
की जा सकती है ।

SPECIAL NOTICE

It is hereby notified to the General Public that the limited number of copies of Patent Office Journal for the year 1983 are available for sale at the Patent Office, Calcutta as well as in its Branch Offices viz. Bombay, Madras and Delhi at the price of 537/-, £ 11.47, \$ 17.12. Interested person may procure the same or booked the order for supplying copies alongwith postal charges of Rs. 35/- (within India).

The following notification published in the Extraordinary Gazette of India Part II, Section I, dated December, 1994 at page 1 to 5 is reproduced below :

MINISTRY OF LAW, JUSTICE & COMPANY AFFAIRS
(LEGISLATIVE DEPARTMENT)

New Delhi, the 31st December, 1994/Pousa 10, 1916 (Saka)

THE PATENTS (AMENDMENT) ORDINANCE, 1994

NO. 13 OF 1994

Promulgated by the President in the Forty-fifth Year of the Republic of India

An Ordinance further to amend the Patent Act, 1970

WHEREAS India is a signatory to the agreement for the establishment of the World Trade Organisation including the Agreement on Trade Related Aspects of Intellectual Property Rights for the purpose of reduction of distortions and impediments to international trade and promotion of effective and adequate protection of intellectual property rights,

AND WHEREAS with a view to meeting India's obligations under the said Agreement while safeguarding its interests, it has become necessary to amend the Patents Act, 1970 in conformity with the obligations under the Agreement that signatory countries in formulating or amending their laws and regulations, may adopt measures consistent with the said agreement, necessary to protect public health and nutrition and to promote public interest in sectors of vital importance to their socio-economic and technological development;

AND WHEREAS Parliament is not in session and the President is satisfied that circumstances exist which render it necessary for him to take immediate action;

Now, therefore, in exercise of the powers conferred by clause (1) of article 123 of the Constitution, the President is pleased to promulgate the following Ordinance :—

Short title and Commencement

1. (1) This Ordinance may be called the Patents (Amendment) Ordinance, 1994.

(2) It shall come into force on the 1st day of January, 1995.

39 of 1970

Amendment of section 5.

2. Section 5 of the Patents Act, 1970 (hereinafter referred to as the Principal Act) shall be re-numbered as sub-section (1) thereof and after sub-section (1) as so re-numbered, the following sub-section shall be inserted, namely :—

“(2) Notwithstanding anything contained in sub-section (1), a claim for patent of an invention for a substance itself intended for use, or capable of being used, as

medicine or drug may be made and shall be dealt, without prejudice to the other provisions of this Act, in the manner provided in Chapter IVA.”

Insertion of new Chapter IVA

3. After Chapter IV of the principal Act, the following Chapter shall be inserted, namely:—

"CHAPTER IVA

EXCLUSIVE MARKETING RIGHTS

Application for grant of exclusive rights

24A. (1) Notwithstanding anything contained in sub-section (1) of section 12, the Controller shall not, under that sub-section, refer an application in respect of a claim for a patent covered under sub-section (2) of section 5 to an examiner for making a report till the 31st day of December, 2004 and shall, where an application for grant of exclusive right to sell or distribute the article or substance in India has been made in the prescribed form and manner and on payment of prescribed fee, refer the application for patent, to an examiner for making a report to him as to whether the invention is not an invention within the meaning of this Act in terms of section 3 or the invention is an invention for which no patent can be granted in terms of section 4.

(2) Where the Controller, on receipt of a report under sub-section (1) and after such other investigation as he may deem necessary, is satisfied that the invention is not an invention within the meaning of this Act in terms of section 3 or the invention is an invention for which no patent can be granted in terms of section 4 he shall reject the application for exclusive right to sell or distribute the article or substance.

(3) In a case where an application for exclusive right to sell or distribute an article or a substance is not rejected by the Controller on receipt of a report under sub-section (1) and after such other investigation if any, made by him, he may proceed to grant exclusive right to sell or distribute the article or substance in the manner provided in section 24B.

Grant of exclusive rights

24B. (1) Where a claim for patent covered under sub-section (2) of section 5 has been made and the applicant has,—

- (a) where an invention has been made in a country other than India and before filing such a claim, filed an application for the same invention claiming identical article or substance in a convention country on or after the 1st day of January, 1995 and the patent on the basis of appropriate tests conducted in that country has been granted on or after the date of making a claim for patent covered under sub-section (2) of section 5; or
- (b) where an invention has been made in India and before filing such a claim, made a claim for patent on or after the 1st day of January, 1995 for method or process of manufacture for that invention relating to identical article or substance and has been granted the patent therefor on or after the date of making a claim for patent covered under sub-section (2) of section 5.

and has received the approval to sell or distribute the article or substance from the authority specified in this behalf by the Central Government, then, he shall have the exclusive right by himself, his agents or licensees to sell or distribute in India the article or the substance on and from the date of approval granted by the Controller in this behalf till a period of five years or till the date of grant of patent or the date of rejection of application for the grant of patent, whichever is earlier.

(2) Where, the specifications of an invention relating to an article or a substance covered under sub-section (2) of section 5 have been recorded in a document or the invention has been tried or used, or, the article or the substance

has been sold, by a person, before a claim for a patent of that invention is made in India or in a convention country, then, the sale or distribution of the article or substance by such person, after the claim referred to above is made, shall not be deemed to be an infringement of exclusive right to sell or distribute under sub-section (1):

Provided that nothing in this sub-section shall apply in a case where a person makes or uses an article or a substance with a view to selling or distributing the same the details of invention relating thereto were given by a person who was holding an exclusive right to sell or distribute the article or substance.

Compulsory licences

24C. The provisions in relation to compulsory licences in Chapter XVI shall, subject to the necessary modifications, apply in relation to an exclusive right to sell or distribute under section 24B as they apply to and in relation to a right under a patent to sell or distribute and for that purpose the following modifications shall be deemed to have been made to the provisions of that Chapter and all their grammatical variations and cognate expressions shall be construed accordingly, namely:—

- (a) throughout Chapter XVI, working of the invention shall be deemed to be selling or distributing the article or substance;
- (b) three years from the date of sealing of a patent in section 84 shall be deemed to be two years from the date of approval by the Controller for exclusive right to sell or distribute under section 21B;
- (c) the time which has elapsed since the sealing of the patent under section 85 shall be deemed to be the time which has elapsed since the approval by the Controller for exclusive right to sell or distribute under section 24B;
- (d) clause (d) and clause (e) of section 90 shall be omitted;

Special provision for selling or distribution

24D. (1) Without prejudice to the provisions of any other law for the time being in force, where, at any time after an exclusive right to sell or distribute any article or substance has been granted under sub-section (1) of section 24B, the Central Government is satisfied that it is necessary or expedient in the public interest to sell or distribute the article or substance by a person other than a person to whom exclusive right has been granted under sub-section (1) of section 24B, it may, by itself or through any person authorised in writing by it in this behalf, sell or distribute the article or substance.

(2) The Central Government may, by notification in the Official Gazette and at any time after an exclusive right to sell or distribute an article or a substance has been granted, direct, in the public interest and for reasons to be stated that the said article or substance shall be sold at a price determined by an authority specified by it in this behalf.

Suits relating to infringements

24E. All suits relating to infringement of a right under section 24B shall be dealt with in the same manner as if they are suits concerning infringement of patents under Chapter XVIII.

Central Government and its officers not to be liable

24F. The examination and investigations required under this Chapter shall not be deemed in any way to warrant the validity of any grant of exclusive right to sell or distribute and no liability shall be incurred by the Central Government or any officer thereof by reason of, or in connection with any such examination or investigation or any report or other proceedings consequent thereon.

Omission of section 39

4, Section 39 of the Principal Act shall be omitted.

Amendment of section 40

5. In section 40 of the principal Act, the words and figures "or makes or causes to be made an application for the grant of a patent outside India in contravention of section 39" shall be omitted.

Amendment of section 64

6. In section 64 of the principal Act, in sub-section (1), in clause (n), the words and figures "or made or causes to be made an application for the grant of a patent outside India in contravention of section 39" shall be omitted.

Amendment of section 118.

7. In section 118 of the principal Act, the words and figures "or makes or causes to be made an application for the grant of a patent in contravention of section 39" shall be omitted.

SHANKER DAYAL SHARMA,
President

K. L. MOHANPURIA,
Secy.

The following notification published in the Extraordinary Gazette of India Part II, Section 3, Sub-section (ii) dated January 3, 1995 at page 1 to 3 is reproduced below :

उद्योग मंत्रालय

(औद्योगिक विकास विभाग)

अधिसूचना

नई दिल्ली, दिनांक 3 जनवरी 1995

का. जा. 7 (क).—सीधे ही गहरे सारणी में विनिर्दिष्ट देशों (जिन्हें इसमें इसके पश्चात् उक्त देश कहा गया है) ने विश्व व्यापार संगठन की स्थापना के लिए एक करार पर, जिसके अंतर्गत वी.डी.ए. अधिकारों के व्यापार से संबंधित पहलुओं पर करार भी है, हस्ताक्षर किए हैं, जिनमें भारत भी एक हस्ताक्षरकर्ता देश है;

और उक्त देशों के साथ ठहराव की पूर्ति के लिए, उक्त करार के अनुसार, भारत में पेटेंटों के आवेदकों को या भारत के नागरिकों को पेटेंटों की मंजूरी और पेटेंट अधिकारों के संरक्षण के लिए कड़ी विशेषज्ञता के लिए जहाँ जहाँ जो उनके अपने नागरिकों को दिए जाते हैं, ऐसा करना आवश्यक है;

अतः, अब, केन्द्रीय सरकार, पेटेंट अधिनियम, 1970 (1970 का 39) की धारा 133 की उपधारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, उक्त अधिनियम, के सभी उपबंधों के लिए उक्त देशों में से प्रत्येक को एक कन्वेंशन देश घोषित करती है :—

सारणी

क. सं. देश का नाम

1

2

1. एंटीगुआ और बाबुडा

2. अर्जेंटीना

1

2

3. आस्ट्रिया

4. बहरीन

5. बंगलादेश

6. बार्बाडोस

7. बेनिन

8. बेलिज

9. बोत्सवाना

10. ब्राजील

11. बुर्कीना फासो

12. चिले

13. कोलम्बिया

14. कोस्टा रिका

15. क्रोडिया आइवरी

16. चेको रिपब्लिक

17. डोमिनिका

18. इक्वाडोर

19. फिनलैंड

20. फ्रांस

21. गेबोन

22. जर्मनी

23. गाना

24. ग्रीस

25. गुयाना

26. हंगेरि

27. हांग कांग

28. हंगरी

29. आइसलैंड

30. इंडोनेशिया

31. इटली

32. जापान

33. केन्या

34. कोरिया

35. कुवैत

36. लेसोथो

37. लक्जमबर्ग

38. मकाऊ

39. मलेशिया

40. माल्टा

41. मोरिसिया

42. मारिशस

43. मैक्सिको

44. मोरक्को

45. म्यानमार

46. नाइजीरिया

47. नीदरलैंड्स

1	2
48.	नाइजीरिया
49.	नामिबिया
50.	पाकिस्तान
51.	पाराग्वे
52.	पेरू
53.	फीलीपीन्स
54.	रुमूनिया
55.	रोमानिया
56.	संयुक्त राज्याः
57.	सिक्किम
58.	स्लोवाक रिपब्लिक
59.	संयुक्त अफ्रीका
60.	स्वीडन
61.	ग्रेट ब्रिटन
62.	सॅट विन्सेंट
63.	सुरिनाम
64.	स्वाजीलैण्ड
65.	स्वीडन
66.	संयुक्त अफ्रीका
67.	थाईलैण्ड
68.	जर्मनी
69.	यूनाइटेड स्टेट्स
70.	उरुग्वे
71.	वेनेजुएला
72.	जर्मनी

2. यह अधिसूचना सूचित करने हेतु है :

[च. 14/11/84-पी. पी. एण्ड सी.]

प्रतिष्ठान, सचिव

MINISTRY OF INDUSTRY

(DEPARTMENT OF INDUSTRIAL DEVELOPMENT)

NOTIFICATION

New Delhi, the 3rd January 1995.

S.O. 7(E). Whereas the countries specified in the Table given below (hereinafter referred to as the said countries) have ratified the agreement for the establishment of World Trade Organisation, including the Agreement on Trade-Related Aspects of Intellectual Property Rights, to which India is also a signatory country;

And whereas for the fulfilment of arrangements with the said countries as per the said Agreement, the said countries would afford to applicants for patents in India or to citizens of India similar privileges as are granted to their own citizens in respect of the grant of patents and the protection of patent rights, it is necessary to do

Now, therefore, in exercise of the powers conferred by sub-section (1) of section 133 of the Patents Act, 1970 (39 of 1970), the Central Government hereby declares each of the said countries to be a convention country for all the provisions of the said Act.

TABLE

S. No.	Name of the Country
1	2
1.	Antigua and Barbuda
2.	Argentina
3.	Austria
4.	Bahrain
5.	Bangladesh
6.	Barbados
7.	Belgium
8.	Belize
9.	Botswana
10.	Brazil
11.	Brunei Darussalam
12.	Chile
13.	Colombia
14.	Costa Rica
15.	Cote d' Ivoire
16.	Czech Republic
17.	Denmark
18.	Dominica
19.	Finland
20.	France
21.	Gabon
22.	Germany
23.	Ghana
24.	Greece
25.	Guyana
26.	Honduras
27.	Hong Kong
28.	Hungary
29.	Iceland
30.	Indonesia
31.	Italy
32.	Japan
33.	Kenya
34.	Korea
35.	Kuwait
36.	Laos
37.	Luxembourg
38.	Macau
39.	Malaysia
40.	Malta
41.	Mauritania
42.	Mauritius
43.	Mexico
44.	Morocco
45.	Myanmar
46.	Namibia
47.	Netherlands

1	2
48.	Nigeria
49.	Norway
50.	Pakistan
51.	Paraguay
52.	Peru
53.	Philippines
54.	Portugal
55.	Romania
56.	Senegal
57.	Singapore
58.	Slovak Republic
59.	South Africa
60.	Spain
61.	St. Lucia
62.	St. Vincent
63.	Suriname
64.	Swaziland
65.	Sweden
66.	Tanzania
67.	Thailand
68.	Uganda
69.	United States
70.	Uruguay
71.	Venezuela
72.	Zambia

2. This notification shall come into force with immediate effect.

[No. 14/11/94-PP&C]
M. C. GUPTA, Secy.

CORRIGENDUM

In the Gazette of India Part III, Section II, page 76 dated 22-01-1994 read 2nd Applicant "KURARAY COMPANY LTD. 1621 Sakazu, Kurashikshi, Okayamaken, Japan, A Japanese Company", instead of "KYOWA GAS CHEMICAL INDUSTRY CO. LTD." of 8-2 Nihonbashi, 3, Chome, Chou-Ku, Tokyo, Japan in respect of Document Number 172996.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crecent branch are the dated claimed under Section 135, of the Patent Act, 1970.

17th January 1995

- 43/Cal/95. Allflex S.A. A process for reading out data stored in transponders by means of a transceiver.
- 44/Cal/95. General Electric Company. Mri System with time varying gradient during signal acquisition.
- 45/Cal/95. Macrovision Corporation. A method and system for audio information dissemination using various transmission modes.

18th January 1995

- 46/Cal/95. Tanni Electronics. Electronics (Touch operated hooter alarm).
- 47/Cal/95. The Babcock & Wilcox Company. Tube bevelling machine with adjustable bevelling head.
- 48/Cal/95. Yamaha Hatsudoki Kabushiki Kaisha. A Muffler for a motorcycle.

19th January 1995

- 49/Cal/95. Satya Shobhan Das. Line hooking preventer-LHP.
- 50/Cal/95. The Mead Corporation. Wraparound package with peripheral strap. (Convention No. 93196525; dated Nil. U.K.).
- 51/Cal/95. Eli Lilly and Company. Protein kinase C inhibitors. (Convention Nos. 08/316,973, 08/163,060, dated 3-10-1994, 7-12-1993; U.S.A.).
- 52/Cal/95. Eli Lilly and Company. Non-peptide Techykinin Receptor antagonists. (Convention Nos. 08/153,847; 17-11-93; U.S.A.).
- 53/Cal/95. Custom Packaging systems, Inc. Bulk bag with Restrainer.
- 54/Cal/95. Agracetus, Inc. Gas Driven gene delivery instrument.
- 55/Cal/95. Goldstar Co. Ltd. Method for seasoning Kimchi.

20th January 1995

- 56/Cal/95. Degussa Aktiengesellschaft. Catalyst and method for the synthesis of chlorine dioxide, and method of making catalyst for the synthesis of chlorine dioxide.
- 57/Cal/95. Bosoh-Siemens Hausgeraete GmbH. Procedure for the determination of washing load in a washing treatment machine.

20th January 1995

- 58/Cal/95. Tomoe Technical Research Company. Manual device for valve.
- 59/Cal/95. (1) Frank Hohmann. (2) Jorg Hohmann. Hydraulically operated bolt tightening device.
- 60/Cal/95. Carding specialists (Canada) Limited. Hydraulically actuated cylinder valve.

23rd January 1995

- 61/Cal/95. E.I. Du Pont De Nemours and Company. Continuous polyester process.
- 62/Cal/95. Sega Enterprises, Ltd. Software rental method and apparatus, and circulating medium therefor.

24th January 1995

- 63/Cal/95. Eli Lilly and Company. Glycopeptide antibiotic derivatives. (Convention Nos. 08/189,393, 08/356,413; dated 28-1-1994, 15-12-1994; U.S.A.).
- 64/Cal/95. Krone Aktiengesellschaft. Obliquely disposed insulation displacement contact.
- 65/Cal/95. Siemens Aktiengesellschaft. Device for functional reliability monitoring of power circuit-breakers (diagnostic apparatus).
- 66/Cal/95. Elpatronic Ag. Apparatus for serially transferring objects between two conveyor means.
- 67/Cal/95. Siemens Aktiengesellschaft. Sintered contact material, method for preparing it, and corresponding contact facings.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-02

12th December 1994

- 1234/Mas/94. Preetha Sreekumar. Utilisation of ferro-gypsum waste generated in effluent treatment plants attached to sulphate route titanium dioxide pigment plants for making pure gypsum and ferrous sulphate.
- 1235/Mas/94. Dilip P. Bhagwat. Key duplicating machine.
- 1236/Mas/94. Srinivasa Natarajan. A ball wheel.
- 1237/Mas/94. Institut Français Du Pétrole. Improved process for the preparation of isobutyl benzene in the presence of a supported catalyst.
- 1238/Mas/94. ASP Aolutions Ltd. Apparatus and method for signal processing.

13th December 1994

- 1239/Mas/94. Huey-Ming Tan. An integrated system for the manufacture and handling of sleeving material used for archiving developed photographic film.
- 1240/Mas/94. Huey-Ming Tan. Sleeving device, kit and method.
- 1241/Mas/94. Kimebri-Clark Corporation. Elastomeric ears for disposable absorbent article.
- 1242/Mas/94. DSM N.V. Process for preparing an alkanone and/or an alkanol.
- 1243/Mas/94. Analogic Corporation. Method of and apparatus for power management and distribution in a medical imaging system.
- 1244/Mas/94. The Dow Chemical Company. Flame retardant styrenic polymer compositions.
- 1245/Mas/94. Himont Incorporated. Propylene homopolymer resins having a high stereoblock content.

14th December 1994

- 1246/Mas/94. Kasi Radhakrishnan Durga Prasad. A device for executing multidirectional movement.
- 1247/Mas/94. Kasi Radhakrishnan Durga Prasad. A device for executing multidirectional movement.
- 1248/Mas/94. Indian Institute of Technology. A device for measuring elastic creep in a belt drive.
- 1249/Mas/94. Continental PET Technologies, Inc. Multi-layer preform and container with polyethylene naphthalate (PEN), and method of forming same.
- 1250/Mas/94. Agroteam Consultants Ltd. Flow reducer devices and drip irrigation emitter including same.
- 1251/Mas/94. Babcock Lentjes Kraftwerkstechnik GmbH. Lignite burner.
- 1252/Mas/94. Rieter Automatic GmbH. Melt spinning process for filaments.
- 1253/Mas/94. Tokushu Kogyo Kabushikigaisha & Tao Kokyo Tsugite Baruba Seizo Kabushikigaisha. Electrofusion fastening apparatus.
- 1254/Mas/94. Joseph B. Saindon. Adaptive omni-model radio apparatus and methods for networking the same.

15th December 1994

- 1255/Mas/94. Henkel Kommanditgesellschaft auf Aktien. Preparations for the oiling of leather.
- 1256/Mas/94. Henkel Kommanditgesellschaft auf Aktien. The use of aminopropionic acid derivatives for the oiling of leather.

1257/Mas/94. Palitex Project-Company GmbH. Yarn brake especially for two-for-one twisting spindles.

1258/Mas/94. International Business Machines Corporation. Efficient floating point overflow and underflow detection system.

1259/Mas/94. Societe Des Produits Nestle S.A. Preparation of noodles.

1260/Mas/94. Harsh Limited. Vehicle discharge system. (December 21, 1993; Great Britain).

16th December 1994

1261/Mas/94. Hoechst Ceram Tec Aktiengesellschaft. Process for producing ceramic components of silicon carbide.

1262/Mas/94. Autogenics. Tissue cutting die.

1263/Mas/94. The Servants, Inc. Corrugated pellet.

1264/Mas/94. Nampak Products Limited. A flexible intermediate bulk container.

19th December 1994

1265/Mas/94. Heinrich Kopp AG. Auxiliary and signal switch for use with circuit breakers.

1266/Mas/94. Centro Ricerche Fater P & G Spa. A layered, absorbent structure, an absorbent article comprising the structure, and a method for the manufacture thereof.

1267/Mas/94. Hoechst Aktiengesellschaft. Metallocene compound.

1268/Mas/94. Akso Nobel N.V. Electronegative-substituted bismaleimide anti-reversion coagents.

20th December 1994

1269/Mas/94. Norton Company. Pavement cutting saw.

1270/Mas/94. Fabriques De Tabac Reunies SA. Kit for making a smoking article.

1271/Mas/94. The Dow Chemical Company. Process to react epoxide-containing compounds and aliphatic alcohols.

1272/Mas/94. AT&T Corp. Apparatus for providing a graphical control interface.

1273/Mas/94. VV Thangathiruppathy. A device for enhancing power generation from wind energy during low wind speed.

21st December 1994

1274/Mas/94. ABB Management AG. Method of joining metal parts by means of fusion arc welding.

1275/Mas/94. Hoechst Aktiengesellschaft. Process for the preparation of polyolefins.

1276/Mas/94. Hoechst Aktiengesellschaft. Metallocenes, and their use as catalysts.

1277/Mas/94. Owens-Illinois Closure, Inc. Closure construction for hot fill and retor applications.

1278/Mas/94. Dowbrand Inc. Self-foaming multifunctional cleansing composition with hydrophobic carrier.

22nd December 1994

1279/Mas/94. Dr. Jose Thakkattil. Putti Cooker.

1280/Mas/94. Dr. Jose Thakkattil. A vessel.

1281/Mas/94. Rhone-Poulenc Chimie. Process for the preparation of an iridium based solution and its use as catalyst.

1282/Mas/94. Kaiser Aluminium and Chemical Corporation. Method and apparatus for twin belt casting of strip.

1283/Mas/94. Qualcomm, Inc. An improved cellular communication system. (Divisional to Patent Application No. 889/Mas/90).

23rd December 1994

1284/Mas/94. K.S.S. Benarji. Carbon monoxide (pollution) eliminator from the exhaust gasses of the petrol engine.

1285/Mas/94. Jobst Ulrich Gellert. Injection molding valve member sealing bushing with thin collar portion. (February 14, 1994; Canada).

26th December 1994

1286/Mas/94. P. O. Abraham. New design for twin blade razor.

1287/Mas/94. Societe Des Produits Nestle SA. Process for preparing foodstuffs having a reduced content of fermented milk products and/or fruit material and composition useful therefor.

1288/Mas/94. Dana Corporation. Reinforced core heavy duty gasket.

1289/Mas/94. Societe Des Produits Nestle S.A. Composition and process useful for reducing the fat caloric content of foodstuffs containing fats or oils.

1290/Mas/94 Honda Giken Kogyo Kabushiki Kaisha. Motor cycle.

1291/Mas/94. J. C. Hempel's Skibsfarve-Fabrik A/S. Paint composition.

28th December 1994

1292/Mas/94. Indian Institute of Technology. A process for the preparation of new antifriction materials.

1293/Mas/94. Iritecna Società Per l'Impiantistica Industriale E L'Assetto Del Territorio P.A. Method and device for quenching, particularly for steel tubes or similar.

1294/Mas/94. Mannesmann Aktiengesellschaft. Conveyor belt of a continuous strip casting device to cast strip from metal.

29th December 1994

1295/Mas/94. New Tokyo Service Ltd. Scissors.

30th December 1994

1296/Mas/94. K. Anand. Dual function of brake cylinder for main brake and parking brake.

1297/Mas/94. Polysheet A/S. A latrine device for field use.

1298/Mas/94. Texas Instruments India Private Limited. A field programmable gate array logic module configurable as combinational or sequential circuits.

1299/Mas/94. Texas Instruments India Private Limited. A field programmable gate array logic module configurable as combinational or sequential circuits.

2nd January 1995

1/Mas/95. Syed Omer. "Manufacturer of miswak in milk foaming tooth paste.

2/Mas/95. Reji Sebastián. A swing chair.

3/Mas/95. Savio Machine Tessile s.r.l. Method and equipment for sucking off and automatically removing fly and dust in a bobbin winding station.

4/Mas/95. J. C. Hempel's Skibsfarve-Fabrik. Paint Composition.

3rd January 1995

5/Mas/95. Parna Mohan Kumarm. Multi stage multiple harvest prawn culture.

6/Mas/95. Indian Institute of Technology. A process for the preparation of FCC catalyst for use in petroleum refining.

7/Mas/95. Indian Institute of Technology. A process for the preparation of FCC catalyst for use in petroleum refining.

8/Mas/95. Institut Français Du Pétrole. Method of production of improved purity light alpha olefines by oligomerisation of ethylene.

9/Mas/95. Institut Français Du Pétrole. Process and device for controlling the stopping of a self-ignition two-stroke engine.

4th January 1995

10/Mas/95. TTK B'omed Limited. Blood bag system.

11/Mas/95. Parrys Confectionery Ltd. A vending machine.

5th January 1995

12/Mas/95. GPT Limited. Telecommunication system (January 3, 1994; Great Britain).

6th January 1995

13/Mas/95. C. V. Venugopalan. Wax candle covered with multipurpose aromatic layer.

14/Mas/95. Narayanan Sreedharan Nayar. A mini portable electronic passenger transport ticket vending device which also computes, tabulates and prints the "Journey Bill".

15/Mas/95. At & T Corp. Graphical user interface for displaying attributes of received messages.

16/Mas/95. Shell Internationale Research Maatschappij B.V. Method of creating a borehole in an earth formation.

9th January, 1995

17/Mas/95. (1) Bhaskara Jagadish Chandra Babu, (2) Nitin Pandurang Soman & (3) F.G.P. Ltd. A method of manufacture of FRP drop shape tank and such tank when so manufactured.

18/Mas/95. Thirumalai Anandampillai Vijayan. A solar energy refrigeration device.

19/Mas/95. Thirumalai Anandampillai Vijayan. A solar energy desalinator.

20/Mas/95. Thirumalai Anandampillai Vijayan. An improved air cooler.

21/Mas/95. Sree Chitra Tirunal Institute for Medical Sciences & Technology. Urinary tract guard for the control of bacteria.

22/Mas/95. Sree Chitra Tirunal Institute for Medical Sciences & Technology. A process for the preparation of calf serum for tissue culture media.

23/Mas/95. G. Ponraj. Zero theory and archmeter.

24/Mas/95. Black & Veatch Architects, Inc. Method and apparatus for digitally archiving analog images.

25/Mas/95. Shellcase Ltd. Methods and apparatus for producing integrated circuit device.

26/Mas/95. Mobil Oil Corporation. Additives for lubricants.

27/Mas/95. Occlaseen Pharmaceuticals Inc. A method for preparing a pharmaceutical composition for the use in the treatment of infection or disease caused by the Hepatitis B Virus.

28/Mas/95. Sandoz Patent-GMBH. Quinazoline-2, 4-dione.

10th January, 1995

29/Mas/95. Centro De Pesquisas De Energia Eléctrica-CEPEL. Measuring process for measuring chargeable electrical consumption from an electrical network and electronic electricity meter.

11th January, 1995

30/Mas/95. BRS Instruments Private Limited. "INFRA—Red gas analyser".

31/Mas/95. Statens Seruminstitut. A method for the preparation of bis-aromatic unsaturated ketone of the general formula I. (Divisional to Patent Application No. 231/Mas/93).

12th January, 1995

32/Mas/95. KAZI. Mehboob Badsha Babalal. Rotex door stopper.

33/Mas/95. Monsanto Company. Fiber bundles including reversible crimp filaments having improved dyeability.

34/Mas/95. AT & T Corp. Multi-channel optical fiber communication system.

35/Mas/95. Maschinenfabrik Rieter AG. Spinning machine with a suction device.

13th January, 1995

37/Mas/95. Padinjarethakkal Nana Ezhuthassan Balaram. Earthquake-eum-burglar alarm.

38/Mas/95. Bridon Ropes Limited. Improvements in or relating to safety fences.

39/Mas/95. Devarajulu Sreedharan. A device to protect the vertebral column of human beings.

40/Mas/95. Dr. Jose Thakkattil. Improved cooker.

41/Mas/95. Sandoz Ltd. Pyrrolidynyl acrylic acid derivatives.

42/Mas/95. Sandoz-Patent-GmbH. Protease inhibitor conjugates.

43/Mas/95. University of Florida. Materials and Methods for detection of oxalate.

ALTERATION OF ADDRESS FOR PATENT AGENT

In pursuance of an application on form 52 filed by Ms. A. Shanker on 09-01-1995, the address of principal place of business has been altered to:

Ms. Archana Shanker
C-96, Bathias Apartments,
Plot No. 43, Patparganj,
Indraprastha Extension,
Delhi-110092.

In pursuance of an application on form 52 filed by Devedass Calab Gabriel on 11th January, 1995, the address of principal place of business and branch offices have been altered to:

Devedass Calab Gabriel,
Kumaran & Sagar,
Trade Mark & Patent Attorneys,
B-4/158, Safdarjung Enclave,
New Delhi 110029.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

2-487 GI/94

The classifications given below in respect of each specification are according to Indian classification and International classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक मंजूरी की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित ब्यक्त्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संबंध में नीचे दिए बर्गीकरण, भारतीय बर्गीकरण तथा अंतरराष्ट्रीय बर्गीकरण के अनुरूप है।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिस उक्त कार्यालय से पत्र-व्यवहार द्वारा सनिदिष्ट करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) खोले लिप्यान्तरण प्रभार का परिकल्पन किया जा सकता है।

Ind. Cl.: 172 C 2.

174741

Int. Cl.4: D 01 G 19/16.

A NIPPER FOR A COMBING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG. A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors: WALTER ACKERET, GIAN-CARLO MONDINI.

Application No. 693/Mas/89 filed on 18th September 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

19 Claims

A nipper for a combing machine comprising a lower jaw having a pair of parallel side arms (2, 3; 12, 13) and a lower nipper plate (5, 15) mounted on said side arms; and an upper jaw having a pair of parallel side arms (8, 9; 18, 19) pivotally mounted on said side arms of said lower jaw and an upper nipper plate (6, 16) mounted on said side arms of said upper jaw wherein at least one of the said nipper plates and the corresponding pair of side arms are made of bonded fiber material.

(Compl. Specn. 15 claims)

Drgs. 4 sheets).

Ind. Class : 172 D 2.

174742

Int. Class⁴ : D 01 H 9/08.

"SPINNING MACHINE SUCH AS A RING SPINNING MACHINE".

Applicant : MASCHINENFABRIK RIETER AG OF CH — 8406 WINTERTHUR SWITZERLAND, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND.

Inventors : DR. URS MEYER, JORG WERNLI, TSIDOR FRITSCHI.

Application No. 713/Mas/89 filed on 25th Sept. 89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) the Patent Office Branch, Madras-600 002.

13 Claims

A spinning machine such as a ring spinning machine, comprising a plurality of spinning positions disposed at predetermined intervals; at least one of spinning units (11); an adjustable endless conveyor (17, 17) disposed for travel along said spinning positions; a plurality of adjustable drivers (19) mounted on said conveyor (17, 17) at intervals of said spinning positions; means for adjustably mounting each driver (19) on said conveyor individually adapting to a respective spinning positions; a support rail (22) extending along said spinning positions; and a plurality of bobbin pegs (13, 13) with each said bobbin peg being secured adjustably in the conveying direction on the said endless conveyor (17, 17) through the respective driver (19).

(Complete Specification 24 pages;

Drgs. 7 Sheets).

Ind. Class : 172 D 4

174749

Int. Class⁴ : D 02 G 1/04.

"A NOZZLE SPINNING APPARATUS".

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) FELIX BLATTMANN, (2) HERBERT STALDER.

Application No. 732/Mas/89 filed on 4th Oct. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) the Patent Office Branch, Madras-600 002.

7 Claims

A nozzle spinning apparatus comprising a drafting unit (1, 2, 3) followed by a false twist unit (4) which is followed by a pair of draw-off rollers as considered in the operating direction wherein the distance (A) between the nip (K3) of the front rollers (3) and the nip (K9) of the draw-off roller pair (9) is 15 to 30 cm.

(Compl. Specn. 10 pages;

Drwg. 1 sheet).

Ind. Cl. : 86-c

174744

Int. Cl⁴ : A 47 B 17/00.

AN ALIGNMENT AND CONNECTING SYSTEM FOR JOINING PANELS OF A KNOCK-DOWN FURNITURE.

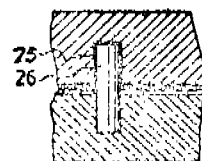
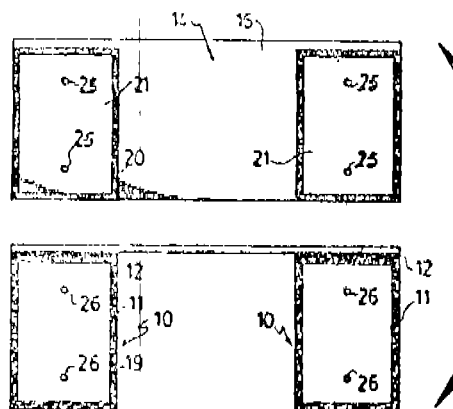
Applicant & Inventor : GRAIG MENGEL, OF 3632 KING STREET, REGINA, SASKATCHEWAN, CANADA S4S 2J1 A CANADIAN CITIZEN.

Application No. 861/Mas/89 filed on 27th November, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) the Patent Office Branch, Madras-600 002.

5 Claims

An alignment and connecting system for joining panels of a knock-down furniture comprising a plurality of such panels, the alignment and connecting system comprising hook and loop fastener material with two detachably engageable portions secured to opposed faces of adjacent panels, mechanical alignment means for aligning the panels in a predetermined alignment, the mechanical alignment means comprising dowel means secured to and projecting from one of the opposed faces of adjacent panels and engageable with the other of the opposed faces for preventing engagement of the fastener material portions, and aperture means in the other of the opposed faces for receiving the dowel means when the panels are in the predetermined alignment, whereby the portion of the fastener material are allowed to come into engagement only in the predetermined alignment.



(Compl. Specn. 28 pages

Drgs. 4 Sheets).

Ind. Class-39-C

174745

Int. Cl⁴-C 01 C 1/04

A METHOD OF MAKING A SUBSTANTIALLY RADIAL OR AXIAL-RADIAL FLOW CARBON MONOXIDE CONVERSION REACTOR

Applicant : AMMONIA CASALE S.A. OF VIA DELLA POSTA 4, CH-6900 LUGANO, SWITZERLAND; AND UMBERTO ZARDI OF VIA LUCINO 57, CH-6932 BREGANZONA, SWITZERLAND, BOTH ARE OF SWISS NATIONALITY.

Inventors : (1) UBERTO ZARDI
(2) GIORGIO PAGANI

Application No. 900/MAS/89 filed December 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Claims 9

A method of making a substantially radial or axial radial flow carbon monoxide conversion reactor by retrofitting a pre-existing axial flow reactors with internals, the reactor comprising a pressure-resisting shell containing a catalyst bed comprising tablets for catalyzing conversion of carbon monoxide to carbon dioxide, the said method comprising the steps of

(a) inserting a first perforated, cylindrical wall into the reactor and positioning the first perforated, cylindrical wall within the reactor at a position near the shell to form a perforated, cylindrical, external wall for the catalyst bed, the external wall having a diameter smaller than that of the shell;

(b) inserting a second perforated, cylindrical wall into the reactor and positioning the second perforated, cylindrical wall within the reactor to form a perforated, cylindrical internal wall for the catalyst bed, the internal wall having a smaller diameter than that of the external wall, the external wall the internal wall and a portion of the pressure-resisting shell defining a space for containing the catalyst bed; and

(c) providing the carbon monoxide conversion catalyst bed-containing space.

(Com.—12 pages;

Drwgs.—4 sheets)

Ind. Cl. 22

174746

Int. Cl.⁴ : B 65 D-21/00.

COMPRESSIBLE BOTTLE.

Applicant & Inventor : George Osbakk, of P O Box 42, 8250 Rognan, Norway, a citizen of Norway.

Application No. 42/MAS/90 filed on 15th January 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

Compressible bottle made of plastics, CHARACTERIZED IN the bottle having along a substantial portion of its height corrugations or foldings with sharp edges corresponding to a bellow, in such a way that the bottle without content may be compressed to a fraction of its original height, the bottom of the bottle (4) being secured to the bottom of a corresponding, open container (1) of which the wall is protruding up to a height corresponding to the desired height of the later compressed bottle, a prestressed locking device (2, 6) being formed continuously with the container (1), at the upper edge of the container and being such that it automatically is turned radially inwards and up towards the bottle neck when the bottle is compressed into the container that the shoulder (5) of the bottle is pressed below the locking device which thereby maintains the compressed bottle (4) in the container (1).

(Complete specification, 8 pages;

Drgs. : one sheet)

Ind. Class-92-C

174747

Int. Cl.⁴-B 02 C 3/04; 1/02

A NOVEL RUBBER ROLL SHELTER

Applicant : MILLMORE ENGINEERING PRIVATE LIMITED, 144 GREAMS ROAD, MADRAS-600 006, TAMIL NADU, AN INDIAN COMPANY.

Inventors : (1) MANICKAM RANGANATHA GOPAL
(2) DEIVASIGAMANI SUNDARESAN
GANAPATHI

Application No. 121/MAS/90 filed February 14, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A rubber roll shelter comprising a pair of parallel rubber rolls : one of the said rollers being fixed while the other is movable towards and away from the said fixed roll, said rolls revolving at different peripheral velocities characterised by a fluid pressure device comprising a double acting pneumatic cylinder or a hydraulic cylinder the piston of which is connected to the said movable arm through a connecting rod; and an auto movement device comprising electronic sensing device such as a photo sensor which actuates a solenoid valve through a relay for selectively urging the said movable roll against the fixed roll at preset constant pressure.

(Com.—8 pages;

Drwgs.—2 sheets)

Ind. Class-23-B

174748

Int. Cl.⁴-B 65 D 1/00

A STACKABLE PACKING BOX FOR STORING AND TRANSPORTATION OF A NUMBER OF SIMILAR OBJECTS.

Applicant & Inventor : GEORGE OSBAKK, OF P.O. BOX 42, 8250 ROGNAN, NORWAY, A CITIZEN OF NORWAY.

Application No. 221/MAS/90 filed March 26, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A stackable packing box for storing and transportation of a number of similar objects, characterized in the front and rear walls of the box being tapered downwards and being provided with upwards tapered webs for transversal support of the objects, the box being provided with an interior shoulder on the interior surface of the walls in the lower portion for stacking one upper box into a lower box and resting on the lower shoulder of the lower box when the two boxes have the same orientation, the bottom of the box being such that the bottom of an upper box rest on surrounding flanges provided on the top of the lower box when the two boxes have an orientation 180° in relation to each other thereby allowing the lower and the upper boxes to contain objects.

(Com.—10 pages;

Drwgs.—1 sheet)

Ind. Cl. : 172 F

174749

Int. Cl.⁴ : G 01 B 7/08

G 01 B 11/10

A DEVICE FOR MONITORING AND/OR MEASURING PARAMETERS OF A TEST MATERIAL IN THE FORM OF A RUNNING THREAD OF WIRE.

Applicant : ZELLWEGER USTER AG, OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND, A SWISS COMPANY.

Inventor : HANSPETER LAUBSCHER.

Application No. 364/MAS/90 filed on 14th May, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

10 Claims

A device for monitoring and/or measuring parameters of a test material in the form of a running thread or wire comprising a measuring gap (2) provided for the passage of the test material and on each of the two side walls of

the said measuring gap (2), a measuring electrode is provided forming part of a capacitive measuring element (13, 14), and an optical measuring element having a light source (6) arranged on one side of the measuring gap (2) and a photo-electric element (7) provided on the other side, in addition to the capacitive measuring element, both said measuring elements forming part of a common measuring head.

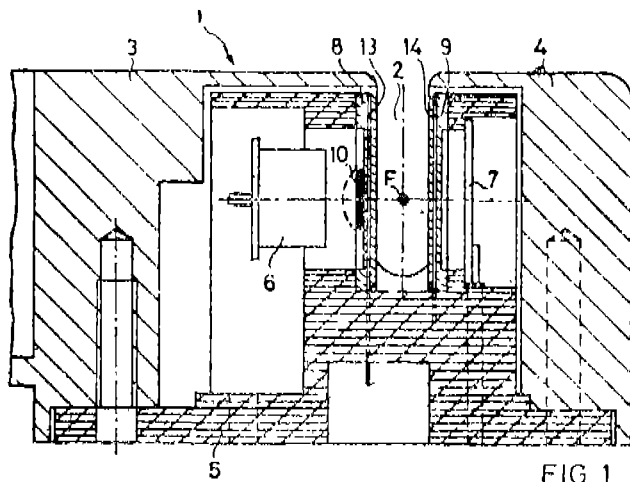
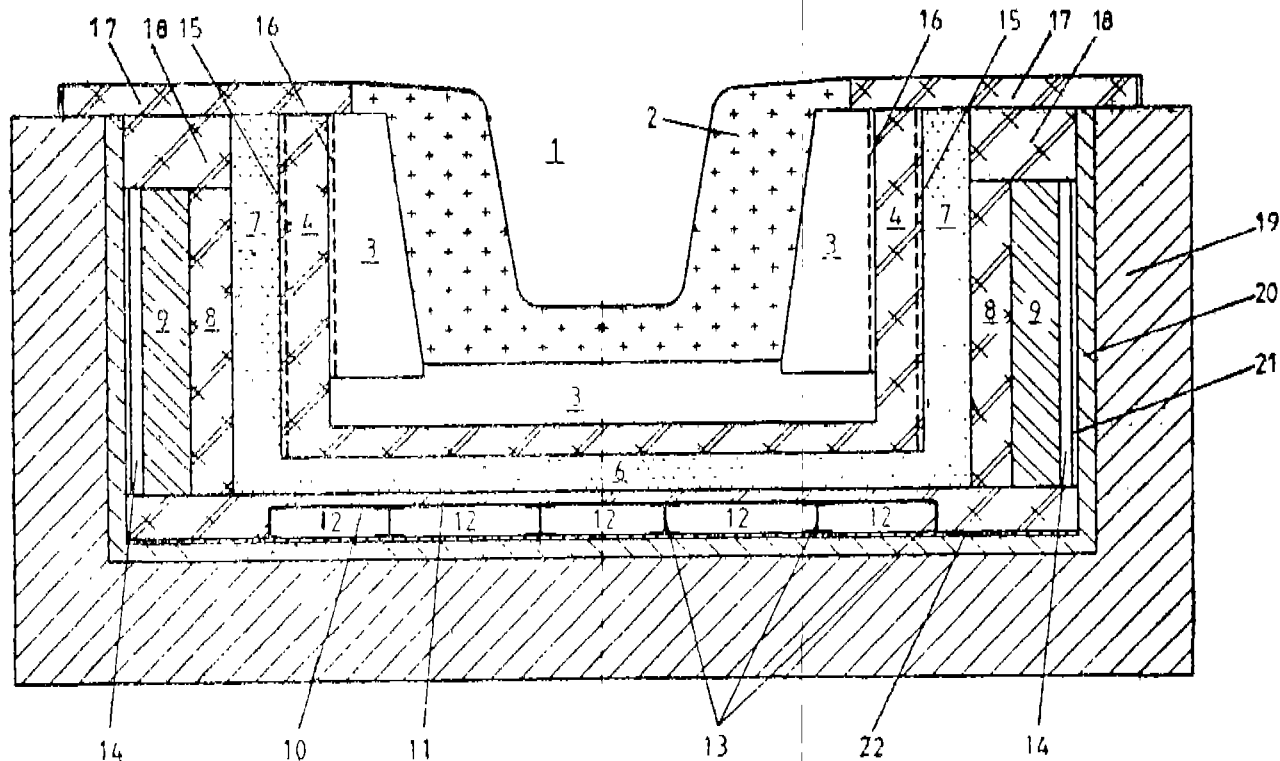


FIG. 1

(Compl. Specn. 13 pages;

Drgs. 2 sheets)



(Compl. Specn. 18 pages;

Drg. 1 sheet)

CL : 77 B 1+77 B 2

174751

Int. Cl : C 11 B 1/08, 9/00;

A 23 L 1/221, 1/222.

"PROCESS FOR OBTAINING FRACTIONATION PRODUCTS OF A SPICE OLEORESIN".

Applicant : NORAC TECHNOLOGIES INC. OF 4222-97 STREET, GREYSTONE, PAVILLION, EDMONTON ALBERTA, CANADA T6E 5Z9.

Ind. Cl : 85 R

174750

Int. Cl : C 21 B 7/06

CHANNEL STRUCTURE FOR FLOW OF MOLTEN PIG IRON DURING TAPPING OF A BLAST FURNACE.

Applicant : HOOGOVENS GROEP BV., OF P O BOX 10,000, 1970 CA IJMUIDEN, THE NETHERLANDS. A DUTCH COMPANY.

Inventors : Jacobus van Laar

Frank Kaptein

Ronald Johannes Maria Stokman.

Application No. 397/MAS/90 filed on 22nd May 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

12 Claims

Channel structure for flow of molten pig iron during tapping of a blast furnace, comprising (a) a wear lining which provides a channel-shaped surface along which the iron flows, (b) a permanent lining outside the wear lining and (c) an outer lining of high thermal conductivity outside the permanent lining, said outer lining having a bottom wall and two opposed side walls thermally connected at their lower ends to the bottom wall, wherein outside and adjoining at least one, but not all, of said walls of said outer lining there is at least one refractory insulating lining layer and the other or others of said walls of said outer lining are thermally coupled to heat dissipating means.

CL : 77 B 1+77 B 2

174751

Int. Cl : C 11 B 1/08, 9/00;

A 23 L 1/221, 1/222.

"PROCESS FOR OBTAINING FRACTIONATION PRODUCTS OF A SPICE OLEORESIN".

Applicant : NORAC TECHNOLOGIES INC. OF 4222-97 STREET, GREYSTONE, PAVILLION, EDMONTON ALBERTA, CANADA T6E 5Z9.

Inventors : (1) UY NGUYEN

(2) DAVID ANTHONY EVANS

(3) DIETMAR JOSEPH BERGER

(4) JAIME ALFANZO CALDERON.

Application No. 300/Cal/1992; filed on 30th April, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

12 Claims

A process for obtaining one or a plurality of fractionation products of a spice oleoresin, such as herein described, comprising :

grinding the spice to a fineness where 75% of the ground spice passes through a 30 mesh screen;

extracting the ground spice with supercritical fluid carbon dioxide under conditions effective to extract the oleoresin from the spice, said conditions comprising a pressure of from 400 bar to 600 bar and a temperature of from 80° to 120°C; and

precipitating by a method, such as herein described, at least one or a plurality of fractionation products, of the oleoresin so extracted in said supercritical fluid, under a pressure of from 280 bar to 380 bar and a temperature of from 80° to 100°C followed by recovery by a method, such as herein described, of at least one of said fractionation products depending on the parameters of pressures and temperature applied within the aforesaid parameters range.

(Compl. Specn. 36 pages;

Drgs. 4 sheets.)

Cl. : 32 F 3(b)—IX(1)

174752

Int. Cl. : C 07 C 51/21.

"A PROCESS FOR THE PRODUCTION OF GLYOXYLIC ACID FROM GLYCOLIC ACID".

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) DAVID LEROY ANTON
(2) ROBERT DICOSIMO
(3) LAWRENCE WAYNE GOSSER.

Application No. 880/Cal/1990; filed on 16th October, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

A process for the production of glyoxylic acid by contacting with oxygen an aqueous reaction mixture solution, at a pH of 7 to 10, a temperature of 0° to 40°C, of glycolic acid, glycolate oxidase, catalase and optimally an amine selected from ethylene diamine, tri (hydroxymethyl) methylamine and mixtures thereof and flavin mononucleotide, characterized in that the initial concentration of glycolic acid in the aqueous reaction mixture solution is 200-2500 mM.

(Compl. Specn. 28 pages;

Drg. Nil)

Cl. : 55 F-XIX(1)

174753

Int. Cl. : A 61 K 31/03, 31/13.

"PROCESS FOR THE PREPARATION OF N-ALKYL-HALOGENOANILINES".

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-65926 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) WERNER BRODT
(2) THEODOR PAPENFUHS.

Application No. 541/Cal/1990; filed on 29th June, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

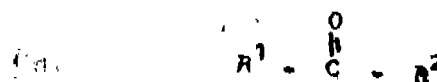
A process for the preparation of N-alkylhalogenoanilines of the general formula (I)



in which X is a chlorine or bromine atom and n is the number 1 or 2, R is a linear or branched alkyl (C₁-C₄) radical, R₂ a linear or branched alkyl (C₁-C₄) radical or R₁ and R₂ together with the carbon atom to which they are bound can form a five or six membered cycloalkane ring, which comprises reacting a halogeno-nitrobenzene of the general formula (II)



in which X and n have the abovementioned meanings with 1 to 1.5 times the stoichiometric amount of a carbonyl compound of the general formula (III)



in which R₁ and R₂ have the abovementioned meanings or R₁ and R₂ together with the carbon atom of the carbonyl group can form a five or six membered cycloalkane ring, in an organic solvent which is inert towards the reactants under the reaction conditions at temperatures of 30 to 50°C, at a hydrogen superatmospheric pressure of about 0 to about 50 bar, in the presence of a sulfited platinum catalyst on activated carbon.

(Compl. Specn. 11 pages;

Drg. Nil.)

Cl. : 55 E₄

174754

Int. Cl. : A 61 K 31/00, 31/19, 31/20, 31/21.

"A PROCESS FOR PREPARING LIQUID COMPOSITION FOR USE IN INTIMATE FEMININE" HYGIENE".

Applicant : MCNEIL-PPC, INC. OF VAN LIEW AVENUE, MILLTOWN, NEW JERSEY-08538, UNITED STATES OF AMERICA.

Inventors : (1) SUSAN K. BROWN-SKROBOT
(2) MERY M. IRVING.

Application No. 716/Cal/1991; filed on 23rd September, 1991; Complete specification left on 15th October, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

19 Claims

A process for preparing a non-absorbent liquid composition used for in intimate feminine hygiene, such as, douches, suppositories, gels, washes as well as contraceptives comprising;

mixing in the presence of a pharmaceutically acceptable carrier an active agent selected from pharmaceutically acceptable organic acids such as herein described with a compound being monoesters and/or diesters of a polyhydric diphenic alcohol and a fatty acid containing from eight to eighteen carbon atoms and wherein said monoester has at least one hydroxyl group associated with its aliphatic alcohol residue, said esters being present in an amount of at least 0.1% by wt. which is effective to inhibit the produc-

tion of toxic shock syndrome toxin -1, Enterotoxin A, Enterotoxin B or Enterotoxin C by *Staphylococcus aureus* bacteria where said product is exposed to said bacteria.

(Compl. Specn. 32 pages;
(Provn. Specn. 27 pages;

Drgn. Nil.)
Drgn. Nil.)

Cl. : 145 D

174755

Int. Cl.¹ : D 21 D 5/02.

"IMPROVEMENT IN PAPER MACHINE STOCK SCREENS".

Applicant : BELOIT CORPORATION OF P.O. BOX 350, BELOIT, WISCONSIN, 53511, UNITED STATES OF AMERICA.

Inventors : (1) PETER EDMOND LEBLANC
(2) DAVID ELLIOT RAY.

Application No. 761/Cal/1990; filed on 4th September, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

15 Claims

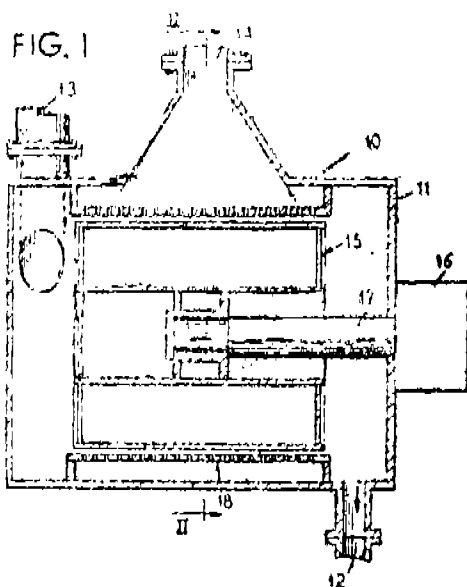
A paper machine stock screen for making paper, comprising in combination :

a screening housing having an inlet and fibrous stock slurry, an accepts outlet for screened slurry and a rejects outlet;

a screen in the housing positioned for receiving the slurry on a profile surface for passing accepts to the accepts outlet and obtaining rejects to flow to the rejects outlet;

and means generating a screening pulse in the slurry along the profile surface in an induced flow direction;

said profile surface having projections and accept flow openings in the floor between projections, the openings being located more closely to the upstream projection than the downstream projection relative to said induced flow direction so that a maximum screening occurs with significant turbulence along the profile surface.



(Compl. Specn. 18 pages;

Drgns. 2 sheets.

Cl. : 69 A

174756

Int. Cl.¹ : H 01 H 75/00.

"CIRCUIT BREAKER".

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

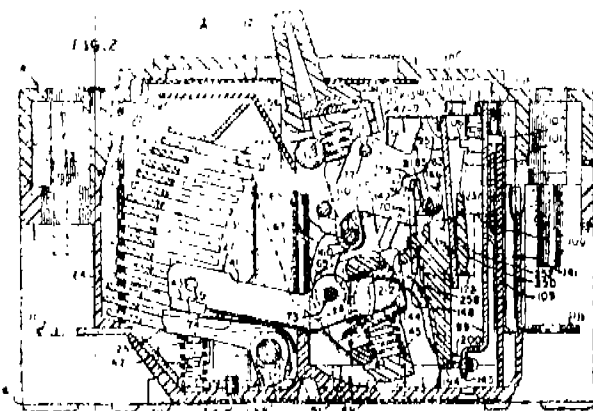
Inventors : (1) JOHN JOSEPH SHEA
(2) RICHARD PAUL SABOL
(3) RONALD ANDREW CHESKI.

Application No. 803/Cal/1990; filed on 17th September, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

A circuit breaker for responding to abnormal currents in a conductor in an electrical system having electrical contacts operable between a closed position in which a circuit is completed through the conductor and an open position in which the circuit through the conductor is interrupted; a latchable operating mechanism operable to open said electrical contacts when unlatched; a magnetic trip assembly, having an elongated conductive member through which current from said conductor flow to generate a magnetic flux; a pivotally mounted armature rotatable about a pivot axis and having a free end rotatable toward said conductive member, said free end spaced from said conductive member in a latch position in which said armature latches said operating mechanism and which armature is attracted toward said conductive member by the magnetic flux produced by an abnormal current in said conductive member to an unlatched position which unlatches said operating mechanism; characterized by a generally U-shaped fixed magnetic yoke having a base and two outwardly extending legs partially surrounding said conductive member with said legs extending beyond opposite sides of said conductive member toward said armature to concentrate the magnetic flux in the direction of the armature and to form a primary air gap therewith; a generally U-shaped movable magnetic core having a base and two outwardly extending legs, the base of said movable core being adjacent the base of said fixed yoke and movable relative to said fixed yoke between an extended position and a retracted position with the legs of said movable core extending beyond the legs of said fixed yoke into said primary air gap to shorten said primary air gap between the armature and said fixed yoke in the extended position to further concentrate the magnetic flux and to generate the magnetic force required to attract the armature toward said fixed yoke at a lower current level, said movable core in the extended position is engaged by said armature as it pivotally rotates toward said fixed yoke, and said armature as it continues to rotate urges said core into said retracted position in which the legs of said movable core extend toward the armature about as far as the legs of said fixed yoke, said movable core also having a mounting device mounting said core in spaced relationship with respect to said yoke with said movable core being movable on said mounting device from said extended position to said retracted position; and a biasing device biasing said armature away from said conductive member to said latching position.



(Compl. Specn. 21 pages;

Drgns. 5 sheets.)

Cl. : 198-D; 101-H, F.

174757

Int. Cl. : B 01 D 21/00;
E 02 B 8/02.**"A DEVICE FOR REMOVAL OF SEDIMENTED PARTICLES"**

Applicant : SINVENT AS OF 7034 TRÖNDHEIM NORWAY.

Inventor : "HAAKON STOELE".

Application No. 362/Cal/1990; filed on 2nd May, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

A device for the removal of sedimented particles in a fluid stream within a settlement basin (2) in the bottom of which there is a sluice (1) having a sluice gate (6) that can open to provide an outlet for the said particles characterised in an elongate flexible unit (4) which opens or closes the space between sluice (1) and the settlement basin (2) by moving up or down the sluice (1) so that the space and thereby the point of suction can be at any point along the entire length of the sluice (1).

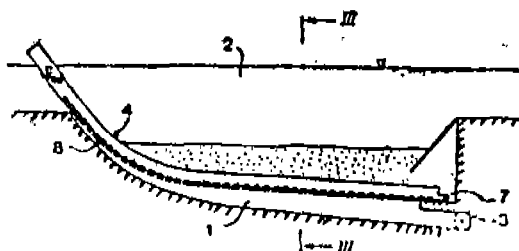


Fig 1

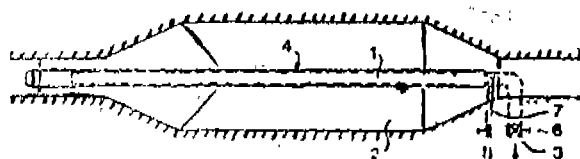


Fig 2

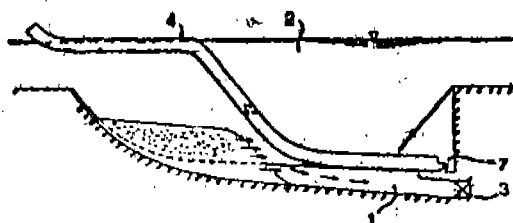


Fig 5

(Compl. Specn. 7 pages;

Drgns. 5 sheets.)

Cl. : 107 I.

174758

Int. Cl. : F 02 M 31/02.

"THERMOSTARTER FOR CARBURETORS OF INTERNAL COMBUSTION ENGINES"

Applicant : DELL'ORTO S.P.A. OF VIA S. ROCCO, 5-20038 SEREGNO (MILANO) ITALY.

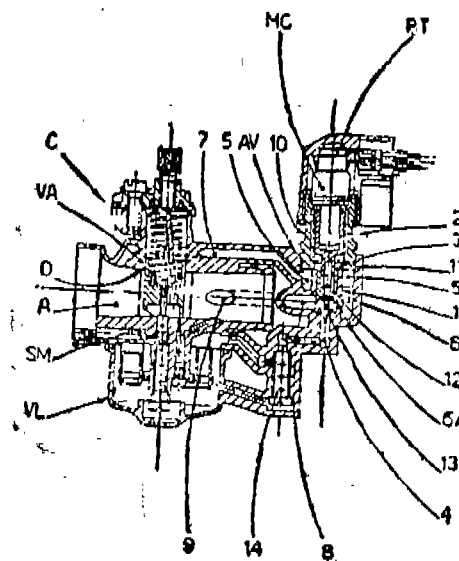
Inventor : PIERLUIGI DELL'ORTO.

Application No. 821/Cal/1991; filed on 31st October, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

Thermostarter device for carburetors of internal combustion engines—particularly small sized engines of motorbicycles, miniscoters and small motorcycles—characterized in that, the chamber in which the starter mixture is formed is obtained into the lower part of a cylindrical chamber (1), to the bottom of which leads the pipe (4) feeding a starter pre-mixture or fuel, and which houses from the top the active element (3) of the actuator (2) of the device, and in that, a pre-chamber (5) is formed around at least part of said cylindrical chamber (1), said pre-chamber being connected to the lower part of said cylindrical chamber (1) by a cavity (6) and being fed directly by a rectilinear air duct (7) from the forechoke (AD) of the carburetor, a rectilinear duct (8) branching off from the lower part of said cylindrical chamber (1) and leading directly into the starter nozzle (9) downstream of the valve (VA) in the carburetor choke (D).



(Compl. Specn. 8 pages;

Drg. 1 sheet.)

Cl. : 151. B.

174759

Int. Cl. : F 23 J 3/02.

"A METHOD FOR THE CLEANING OF A SOOT FILTER IN THE EXHAUST PIPE OF A DIESEL MOTOR UNDER LOAD AND A SYSTEM FOR PERFORMING THE SAME"

Applicant : GEUNA-STARKER GMBH & CO, KG OF AUSSERE UFERSTR 61-69/73, Postfach 102669, D-8900 AUGSBURG, GERMANY.

Inventors : (1) ALOIS ULLMER

(2) ENRIQUE SANTIAGO

(3) PETER KUGLAND.

Application No. 782/Cal/1990; filed on 12th September, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

17 Claims

A method for the cleaning of a soot filter (4) in the exhaust pipe (2) of a diesel motor (3) under load, whereby

the whole exhaust gas flow (S1) is divided into a partial exhaust gas flow (AT) and a main exhaust gas flow (A1),

the partial exhaust gas flow (AT) is guided into a combustion chamber (14) in which a motor fuel nozzle (5) and an electrical ignition device coordinated for the same are installed,

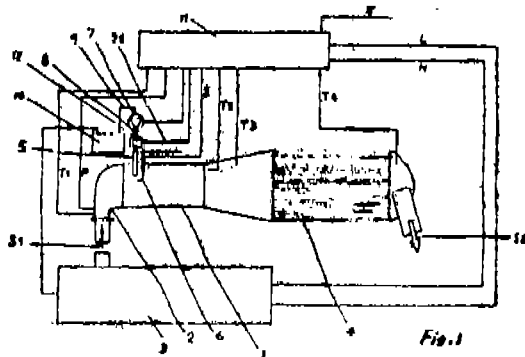
the partial exhaust gas flow (AT) with the motor fuel injected into the combustion chamber (14) is ignited in that chamber, whereby a fuel gas is produced and

the fuel gas leaving the combustion chamber (14) is homogenized with the main exhaust gas flow (AH) passed through the combustion chamber and the fuel gas produced thus is passed to the soot filter (4), where it initiates the burn-up of the soot collected there, wherein

the regeneration is initiated in the case of the loaded filter (4) only, if the motor operation point is within a given ignition identification point (Z)

the motor fuel injection into the combustion chamber is interrupted, if the motor operation point lies outside a given combustion identification field (B) and

the combustion identification field (B) is larger than the ignition characteristic field (Z).



(Compl. Specn. 19 pages;

Drgns. 2 sheets.)

Cl. : 145 E 1

174760

Int. Cl.⁴ : D 21 C 7/12.

"PROCESS AND MECHANISM TO EMPTY PULPING DIGESTER".

Applicant : BELOIT CORPORATION OF P.O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : ETHAN KIM ANDREWS.

Application No. 762/Cal/1990; filed on 4th September, 1990.

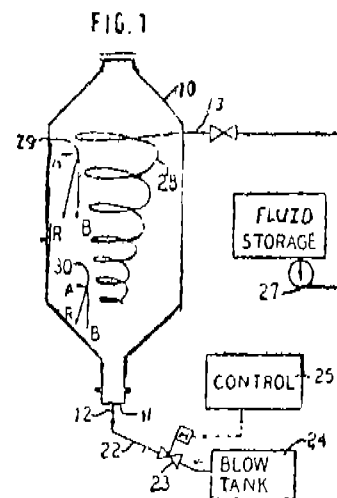
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

20 Claims

A process of preparing pulp for papermaking, the steps comprising :

cooking pulp in a closed digester under elevated temperatures and pressure;

applying a fluid pressure at the top of the digester at the end of the cooking process to empty the pulp from the digester through a pulp outlet and cyclically opening and closing the pulp outlet whereby undesirable vortex generation within the digester is prevented.



(Compl. Specn. 23 pages;

Drg. 1 sheet.)

Ind. Cl. : 32 E.

174761

Int. Cl.⁴ : C 08 F, 10/02.

"A PROCESS FOR PREPARING LINEAR-OLEFINS".

Applicant : IDEMITSU PETROCHEMICAL COMPANY LTD. OF JAPAN. A JAPANESE CORPORATION OF 1-1, MARUNOUCHI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : (1) YASUSHI SHIRAKI
(2) SHINICHI KAWANO
(3) KUNIO TAKEUCHI.

Application for Patent No. 1060/DEL/89 filed on 16th November, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for preparing a linear -olefin having from 6 to 18 carbon atoms comprising polymerizing ethylene or an ethylene containing -olefin in the presence of a catalyst consisting of a zirconium halide, an organo-aluminum compound and a Lewis base in an inert solvent and stopping the polymerization by adding catalyst deactivating agent to the resulting reaction mixture, wherein said catalyst contains a zirconium component comprising a zirconium halide represented by formula (I) ZrX_aA_{4-a} (I) Wherein X and A may be the same or different and each represents chlorine, bromine or iodine atom and a is 0 or an integer of 1-4; an aluminum component comprising an alkylaluminum compound represented by formula (II) $AlR^1I^1Q^1I^1.5$ I wherein R^1 represents an alkyl group of 1-20 carbon atoms, Q^1 represents chlorine, bromine or iodine atom, R^1 and Q^1 may be the same or different, respectively, and said formula (II) may also be represented by $Al_2R^1_3Q^1_3$ and an alkylaluminum compound represented by formula (III) $AlR^2bQ^2_{3-b}$ (III) wherein R^2 and Q^2 have the same meanings as R^1 and Q^1 above R^2 and Q^2 may be the same or different, respectively, and b is an integer of 1-3; said catalyst being mixed at a molar ratio $[(AlR^1_{1.5}Q^1_{1.5} + AlR^2bQ^2_{3-b})/ZrX_aA_{4-a}]$ of said zirconium component and aluminum component of 3-15 and at a molar ratio $(AlR^1_{1.5}Q^1_{1.5}/AlR^2bQ^2_{3-b})$ of the components represented by formula (II) and (III) of 2-10; said catalyst further contains at least one Lewis base selected from the group consisting of thiophene, methyl disulfide, thiourea, triphenylphosphine and trioctylphosphine; and said inert solvent is at least one solvent selected from the group consisting of naphthenic solvents and aromatic hydrocarbon solvents.

(Compl. Specn. 37 pages;

Drg. Nil.)

Ind. Cl. : 194 C.

174762

Int. Cl.⁴ : H 01J 1/00, 29/00.

"GRAPHITE SUSPENSION SPREADING DEVICE FOR USE IN FORMATION OF BLACK MATRICES OF COLOR PICTURE TUBE".

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD., A KOREAN CORPORATION, 575 SHIN-RI, TAEAN-EUB, HWASEONGGUN, KYUGGI-DO, KOREA.

Inventor : KI-TAEK LIM.

Application for Patent No. 1154/DEL/89 filed on 6th December, 1989.

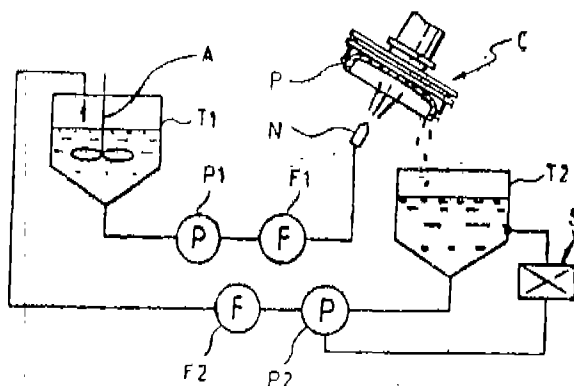
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

1. A graphite suspension spreading device for use in the formation of black matrices of color picture tube comprising : a storage tank for storing a graphite suspension; a spray nozzle for spreading said graphite suspension over a panel; a pump for transferring said graphite suspension from said storage tank to said spray nozzle; and a tank for recovering excess graphite suspensions remaining after the spreading;

characterized in that a recovering pump (p_2) for transferring the recovered graphite suspensions from said recovering tank (T_2) to said storage tank (T_1), and a filter means (F_2) or filtering the recovered graphic suspensions, are provided between said recovering tank (T_2) and said storage tank (T_1).

(Fig. 2)



(Compl. Specn. 11 pages;

Drwg. 1 sheet.)

Ind. Cl. : 194 C

174763

Int. Cl.⁴ : H 01J 29/00.

FRAME SUPPORTING DEVICE FOR COLOR CATHODE RAY TUBE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD. OF 575, SHIN-RI TAEAN-EUB, HWASEONGGUN, KYUNGKI-DO, KOREA, A KOREAN CORPORATION.

Inventor : HO-SIK KIM.

Application for Patent No. 1149/DEL/89 filed on 6th December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3-487 GI/94

2 Claims

A frame supporting device for color cathode ray tube comprising a spring for being secured to a shadow mask frame together with a bimetal and provided with a fitting hole at one end thereof to be fitted with a stud pin attached on the inner face of a panel of said color cathode ray tube characterized in that circumference of said fitting hole is provided with three half-moon shaped supporting pieces separated by equal angular distances, and are inclined at a predetermined angle relative to the axis of the fitting hole.

FIG. 1

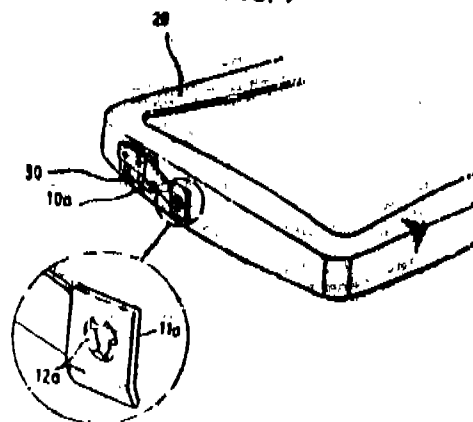
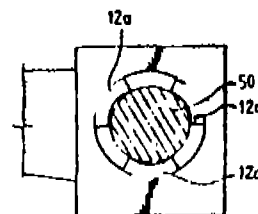


FIG. 2



FIG. 3



Ind. Cl. : 173 B.

174764

Int. Cl.⁴ : B 05 B 3/00.

"A LOW PRESSURE DROP METHOD FOR PRODUCING AN ATOMIZED CATALYST PARTICLE MIXTURE USED IN HYDROCARBON CONVERSION AND AN APPARATUS FOR PRODUCING THE SAME".

Applicant : UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : ISMAIL BIRKAN CETINKAYA.

Application for Patent No. 454/DEL/89 filed on 23th May, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

1. A low pressure drop method for producing an atomized catalyst particle mixture used in hydrocarbon conversion from fluidized particles, liquid hydrocarbons and gaseous

material such as herein described, said method comprising:

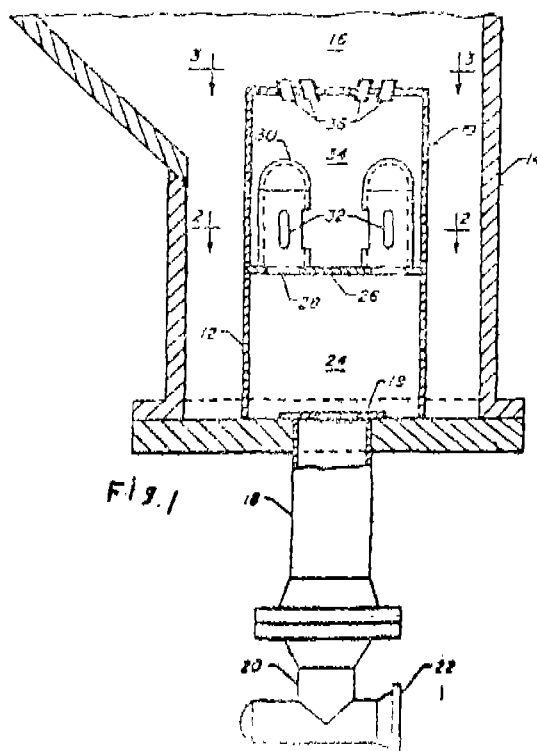
(a) commingling liquid hydrocarbons with said gaseous material to form a commingled stream of liquid hydrocarbons and gaseous material, said gaseous material being present in an amount of at least 0.2 wt. % of the combined liquid and gaseous mixture;

(b) mildly mixing at a pressure drop not exceeding 10 Psi the commingled stream obtained from step (a), in the absence of substantial quantities of particles, to form a mixture having a distribution of hydrocarbons and gaseous material of increased uniformity relative to said commingled stream;

(c) vigorously mixing at a pressure drop not exceeding 20 Psi the product of step (b), in the absence of substantial quantities of particles, by dividing said mixture into a plurality of discrete streams and subjecting each of said discrete streams into impingement with an impact medium to homogenize said hydrocarbons and said gaseous material;

(d) atomizing at a pressure drop not exceeding 40 Psi said homogenized hydrocarbon and gaseous material obtained from step (c) into a mist of fine droplets; and

(e) dispersing said mist of fine droplets over a suspension of fluidized particles to produce the well dispersed mixture of fluidized particles, hydrocarbon and gas



(Compl. Specn. 23 pages;

Drwgs. 4 sheets.)

Ind Cl : 29 C

174765

Int. Cl.⁷ : G 06 F 3/023.

"COMPUTER WITH MOVABLE KEYBOARD".

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION OF ARMONK NEW YORK-10504, U.S.A., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK

Inventor(s) : (1) NOMURA HIDEO
(2) TAKEMOTO MOTOJI.

Application for Patent No. 626/DEL/89 filed on 13th July, 1989,

Conventional data : 26.5.89/8912166.9 U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A computer with a movable keyboard in which the keyboard can be mounted in the upright position on a case in such a manner that the surface mounted with keys of the keyboard faces inside, characterised by a pair of leg members, one of which is provided on oneside of said keyboard, the other of which is provided on the other side of said keyboard, each of which has a front end forming a curved surface and a recess formed to continue said front end, a bottom portion formed to project from the lower portion of said case, and a pair of recesses formed at each side of said bottom portion, each of which has a receiving surface on which the curved surface of the front end of said leg member can slide, and an edge capable of fitting into the recess in said leg member, said keyboard being pivotable from the upright position to a surface on which said computer is positioned, about a predetermined point of said leg member as a fulcrum, by sliding the curved surface of the front end of said leg member on the receiving surface on the corresponding recess formed in said bottom portion until the recess in said leg member engages with said edge of the recess in said bottom portion to hold a predetermined inclination for said keyboard

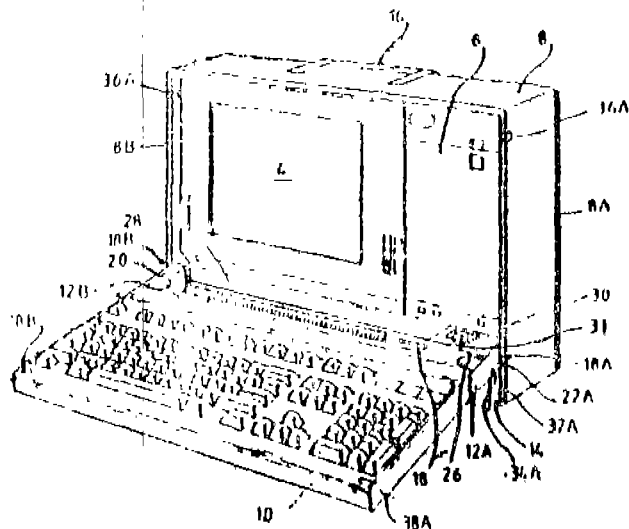


Fig. 1

(Compl. Specn. 12 pages;

Drwgs. 8 sheets.)

Ind. Cl. : 83A1

174766

Int. Cl.⁷ : A 23 L 1/00

AN IMPROVED PROCESS FOR THE PREPARATION OF WHITE PEPPER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : NATARAJAN SREEDHARA ALATHUR DAMODARAN DAMODARAN CADAVALLORE SUBRAMANIAM NARAYANAN AMBUJAM NIRMALA MENON.

Application for Patent No. 413/DEL/89 filed on 12-5-89

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 2

1. An improved process for the preparation of white pepper which comprises :

- (i) Cleaning the black pepper berries by sieving to remove the impurities such as pin heads spikes and stalks;
- (ii) Treating the cleaned pepper berries with 1N to 6.5N hydrochloric acid at $97 \pm 1^\circ\text{C}$ for a period of 1 to 45 minutes depending on the concentration of acid used.
- (iii) Draining the acid treated berries in a sieve to remove the acid;
- (iv) Washing the said drained acid treated berries with water and
- (v) Dehulling the berries, washing and drying the dehulled berries by conventional methods.

(Comp. Spec—8 pages)

Ind. Cl. : 146D

174767

Int. Cl.⁴ : G06K 7/00

AN IMAGE PICKUP DEVICE

Applicant : VICTOR COMPANY OF JAPAN LTD., OF 12, MORIYA-CHO 3-CHOME, KANAGAWA-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN.

Inventors : ITSUO TAKANASHI, SHINTARO NAKAGAKI, TSUTOU ASAKURA, MASATO FURUYA, HIROHIKO SHINONAGA AND HIROMICHI TAI.

Application for Patent No. 533/DEL/89 filed on June 21, 1989

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 8

An image pickup device comprising :

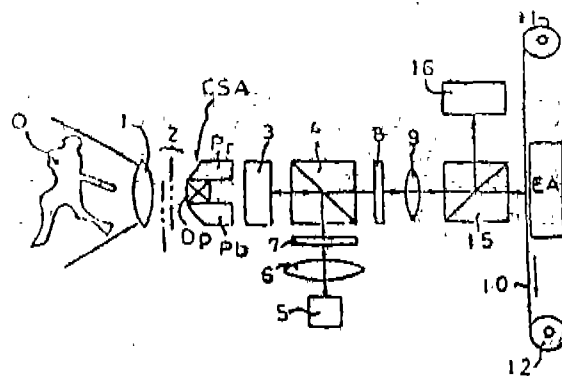
a recording member having a reversible property whereby optical images in the form of charge images are repeatedly erased and recorded;

a photo-to-photo conversion element having a photoconductive member and a lightmodulation member, in which an optical image of an object to be picked up is converted into a charge image in the photoconductive member and a light beam directed to the photo-to-photo conversion element is modulated in accordance with the charge image in the lightmodulation member;

a first optical system disposed between the object and the photo-to-photo conversion element, for projecting the optical image onto the photo-to-photo conversion element;

a second optical system disposed between the photo-to-photo conversion element and to recording member, for directing the light beam to the photo-to-photo conversion element and guiding the modulated light beam carrying the optical image to the recording member for recording the optical image in the recording member in the form of charge image; and

an eraser disposed so as to face the recording member, for erasing the charge image recorded in the recording member prior to subsequently recording another charge image in the recording member by generating and supplying a voltage to the recording member, the voltage having a polarity opposite to the polarity of the charge image recorded in the recording member.



(Compl Specn. 62 pages;

Drwg. Sheets 27)

Ind. Cl. : 156E

174768

Int. Cl.⁴ : F04F 7/02

IMPROVEMENTS TO "HYDRAULIC RAM PUMP".

Applicant : PEPPERMINT SPRINGS PVT. LTD., OF NARIEL VIA CUDGEWA, VICTORIA 3705, AUSTRALIA,

Inventors : IAN JOHN RICHARDS

Application for Patent 345/DEL/89 filed 17th April, 1989.

Conventional Data : Date 14-4-1988 No. PI 7751 Country : AUS

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 10

1. "A hydraulic ram pump comprising :

a body member having a water flow passage therethrough;

a waste gate pivotally mounted in said passage of the body member for enabling water to flow past and waste gate in a open position and to obstruct said water flow passage by substantially closing the passage in a closed position;

a delivery pipe having a non-returnable valve located upstream of said waste gate for supplying water; and

a waste water outlet located downstream of said waste gate, said body member having a recess to receive said waste gate in its open position for minimising the flow resistance in said open position, said waste gate being connected to a biasing means for biasing said waste gate away from its fully closed position and said recess assisting in the initiation of opening and closure of said waste gate respectively.

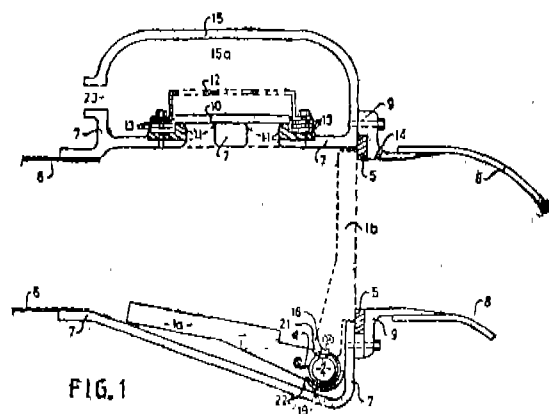


FIG.1

(Comp. Specn. 14 pages;

Drwg. Sheets 2)

Ind. Cl. : 206 E

174769

Int. Cl. : H04B 7/00

Title : "A CIRCUIT FOR DETECTING AND INDICATING A LEVEL OF INTERFERENCE ON A HIGH FREQUENCY ANGULAR MODULATED SIGNAL".

Applicant : MOTOROLA INC., OF 1303 EAST ALGONQUIN ROAD, SCHAMBURG, ILLINOIS 60196, U.S.A.

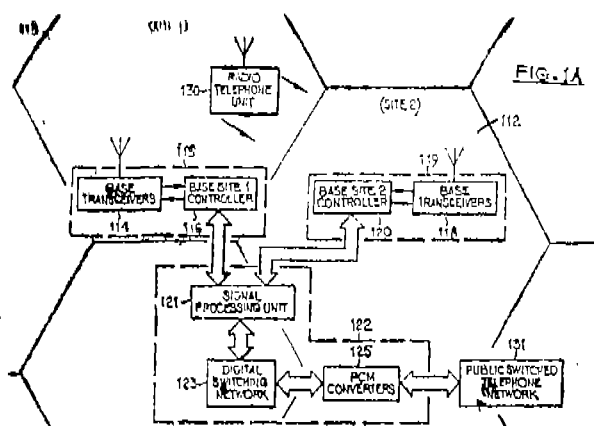
Inventors : DUANE CARL RABE AND JAMES EDWARD MITZLAFF

Application for Patent No. 342/DEL/89 filed on April 17, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 8

A circuit for detecting and indicating a level of interference on a high frequency angular modulated signal, said circuit comprising a logarithmic envelop detector, receiving the high frequency angular modulated signal and providing a log envelope signal; a filter, connected to the logarithmic envelop detector, to remove a particular range of undesired frequencies from the log envelope signal; an AM detection circuit, connected to the filter for detecting amplitude modulation components of said filtered log envelope signal as well as the average magnitude of said filtered log envelope signal; and a comparator connected to the AM detection circuit to compare an output of the AM detection circuit to a reference level to detect a level of interference.



(Comp. Spn. : 24 pages.

Drwn. Sheets : Five)

Ind. Cl. : 40F

174770

Int. Cl. : C23F 11/00, 13/00, 15/00

Title : A METHOD FOR PRODUCTION OF A SUBSTANTIALLY PURE N-METHYL-2-PYRROLIDONE (NMP)

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : MILTON DALE LEIGHTON

Application for Patent No. 286/DEL/89 filed on March 28, 1989.

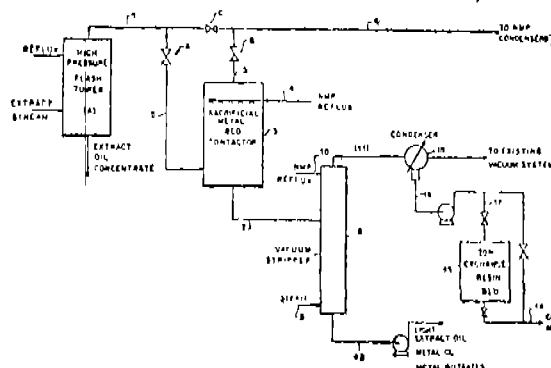
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 5

1. A method for production of substantially pure n-methyl-2-pyrrolidone (NMP) capable of being recycled with a reduced rate of corrosion to the extraction plant involved from an extract stream composed of oil, n-methyl-2-pyrrolidone

and contaminants, the method comprising : (a) passing the extract stream from an extraction zone to a separation zone wherein the extraction stream is separated into an n-methyl-2-pyrrolidone-rich vapor stream and an extract oil concentrate stream; (b) passing the n-methyl-2-pyrrolidone-rich stream into contact with a bed of sacrificial metal such as herein described wherein the contaminants are removed from the n-methyl-2-pyrrolidone by conversion into metal salts and acid salts which concentrate in a bottoms fraction consisting of liquid n-methyl-2-pyrrolidone, residual oil, metal salts and acid salt, the purified n-methyl-2-pyrrolidone being recovered as overhead vapor; (c) passing the bottoms fraction to a steam stripper which separates the fraction into a light extract oil/metal salt fraction, and an n-methyl-2-pyrrolidone fraction which containing organic acids resulting from the hydrolysis of the acid salts; and (d) passing the n-methyl-2-pyrrolidone/light acids fraction to an ion exchange resin bed wherein the acids are removed from the n-methyl-2-pyrrolidone yielding a pure stream of n-methyl-2-pyrrolidone suitable for recycle.

FIG. 1



(Comp. Spn : 9 pages

Drwn Sheets : 1)

Ind. Cl. : J07F

174771

Int. Cl. : H 01T 13/04, 13/41

Title : "GLOW PLUG FOR INTERNAL COMBUSTION ENGINE"

Applicant : CHAMPION SPARK PLUG EUROPE S.A., OF AVENUE LEPOLD III, 2A, 7120 BINCHE, BELGIUM.

Inventor : SERGE WOELFLE

Application for Patent No. 262/DEL/89 filed on March 21, 1989.

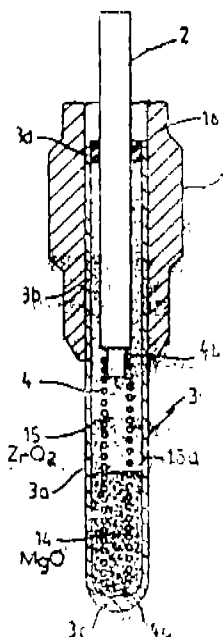
Conventional Data : Date : 6-04-1988 No. : 8807983.5 Country : UK

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 12

1. "A glow plug for an internal combustion engine comprising an outer electrically conductive shell provided with an axially extending bore, an elongated electrically conductive tubular sheath having a first open end and portion located inside said bore in electrical contact with said shell and a second portion closed at a free end projecting from said shell bore, an electrode extending into said open sheath end and electrically insulated from said shell and said sheath and further comprising at least one electrical resistance located in said tubular sheath and having a first end electrically connected to said electrode and a second end electrically connected to

the free closed end of said tubular sheath, said tubular sheath which is nearest to said free closed end is filled with a first electrically insulating thermally conductive powder and said portion of said tubular sheath which is nearest to said electrode is filled with a second electrically insulating powder, said second powder having a substantially lower thermal conductivity than said first powder".



(Comp. Specn. 14 pages;

Drwn. Sheets 2)

Ind. Cl. : 40B

174772

Int. Cl.⁴ : B01J29/04, 37/00

PROCESS FOR PREPARING A ZIEGLER-NATT CATALYST

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE, ROAD, LONDON SW1W 0SU, ENGLAND

Inventor : JEAN-CLAUDE BAILLY AND LOUIS BORDERE

Application for Patent No. 260/DEL/89 filed on March 21, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-110005.

Claims 14

A process for preparing a Ziegler-Natta catalyst comprising :

- Preparing in any conventional manner a preactivated support consisting of 80% to 99% by mol of magnesium chloride and 1 to 20% by mol of an organic electron-donor compound, D1 such as herein defined, free from labile hydrogen and from ester function;
- treating said preactivated support with or without the presence of at least one electron-donor compound, D2 such as herein defined, containing labile hydrogen,
- then treating the support with at least one internal electron-donor compound, DS such as herein defined,
- impregnating the support thus obtained with titanium tetrachloride in an excess molar quantity with

respect to the magnesium chloride, then removing the excess of titanium tetrachloride not impregnated, by at least one wash with a liquid hydrocarbon.

- treating the support, thus impregnated, with or without titanium tetrachloride used in a molar quantity in excess with respect to the magnesium chloride, then washing the treated support with a liquid hydrocarbon, and
- placing the support, thus treated, in a liquid hydrocarbon medium into contact with an alkylaluminium halide and, with propylene possibly mixed with ethylene and/or a C₄-C₈ alpha-olefin, in the absence of an external electron-donor compound so as to form a coated catalyst.

(Comp Specn. : 27 Pages

Drwn. Sheets : Nil)

Ind. Cl. : 158D

174773

Int. Cl.⁴ : B61H 13/00

Title : AN ACTUATOR FOR TRANSMISSION OF FORCE

Applicant : SAB WABCO HOLDINGS B.V., OF MARCONISTRAAT 18, P.O. BOX 120, NL-1700 AC HEERHUGOWAARD, THE NETHERLANDS

Inventor : LARS MATTIS SEVERINSSON

Application for Patent No. 243/DEL/89 filed on 14 Mar 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

Claims 9

An actuator for transmission of force which comprises :
a housing [1—3; 40, 41; 80—82];

a rotatable drive sleeve [8, 46, 85] journaled to said housing;

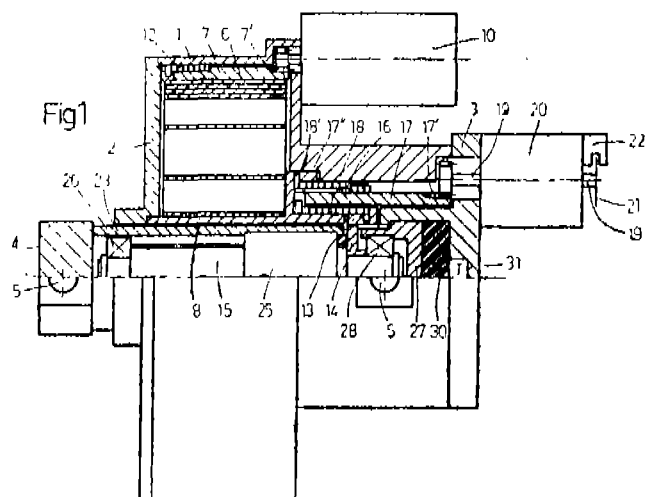
a rotatable drive ring [13; 49; 91] located coaxially with respect to said drive sleeve; and

rotary force transmission means provided between said drive sleeve and said drive ring, said rotary force transmission means comprising :

- clutch means [16; 61; 94] disposed between said drive sleeve and said housing to permit rotation of said drive sleeve in only a first direction.
- a locking spring [18; 62; 96] disposed between said drive sleeve and said drive ring and being connectable therebetween, and
- means [17; 65—67, 69, 70; 95] for controlling said locking spring cooperating between said drive sleeve and said drive ring.

said controlling means establishing connection of said drive sleeve to said drive ring only during rotation of said drive sleeve in said first direction and disengaging said drive ring

from said drive sleeve to permit said drive ring to rotate in a second, opposite direction.



(Comp. Spcn. : 20 pages

Drwgn. Sheets :3)

Ind. Cl. : 4A-3

174774

Int. Cl.¹ : B 64 G 1/00

Title : "ROCKET-BOOSTER VEHICLE"

Applicant : ORBITAL SCIENCES CORPORATION, OF 12500 FAIR LAKES CIRCLE, FAIRFAX, VIRGINIA 22033, UNITED STATES OF AMERICA

Inventor : ANTONIO LUIS FLIAS

Application for Patent No. 226/Del/89 filed on 10th March, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 3

A rocket booster vehicle adapted for launched by being released from a carrier aircraft while in flight, said vehicle comprising one or more stages connected to each other by means of detachable adapter means, said one or more stages being axially aligned with each other;

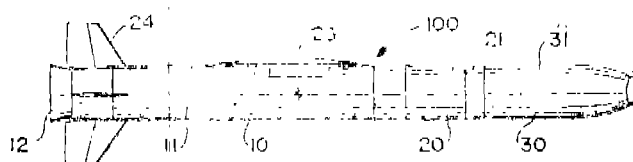
carrying means connected to said one or more stages for releasably carrying said vehicle with said carrier aircraft;

thrust means mounted in said one or more stages for propelling and providing trajectory control of said vehicle after release by said carrying means of said vehicle from said carrier aircraft;

expendable wing means detachably connected to said one or more stages for providing aerodynamic lift and trajectory control for said vehicle during a first period after release by said carrying means of said vehicle from said carrier aircraft, wherein said first period is selected such that at the expiration of said first period the dynamic pressure is less than a pre-determined value, tail fins detachably connected to the rear end of said vehicle for providing altitude control to said vehicle and

detachment means connected between said wing means and one of said stages to which the wing means is connected to separate said wing means for said vehicle after said first period.

Fig 1



(Comp. Spcn. : 24 pages

Drwgn. Sheets : 3)

Ind. Cl. : 23H

174775

Int. Cl.¹ : B 65 D 85/38

Title : A CONTAINER CLOSURE MOULDED FROM PLASTICS MATERIAL AND METHOD OF MANUFACTURING THE CONTAINER CLOSURE

Applicant : MCG CLOSURES LIMITED, OF BROMFORD LANE, WEST BROMWICH, WEST MIDLANDS B 70 7HY, ENGLAND

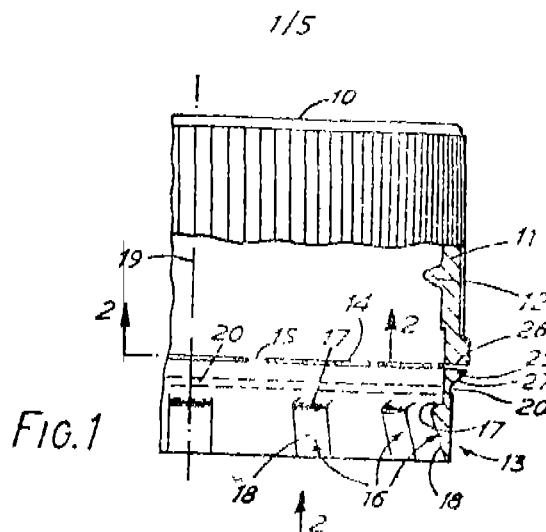
Inventor : NIGEL THOMPSON

Application for Patent No. 189/DEL/89 filed on 1st Mar 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

Claims 14

A container closure moulded from plastics material and comprising a top, an annular skirt depending from the top and formed with a screwthread on its internal surface, and a tamper-evident ring connected to the end of the skirt remote from the top by a series of frangible bridges extending across an axial gap between the ring and the skirt, characterised in that said ring has on its inner surface a plurality of radially inwardly projecting wedge-shaped protrusions each having an end surface generally facing the top but inclined radially inwardly and a further surface facing generally towards but inclined relative to the central axis of the closure in a direction away from the top, the ring extending continuously over its full height between each adjoining pair of protrusions, so that outward deflection of the protrusions produces a hoop stress in the ring, and in that the ring has in combination with said protrusions an annular groove formed in one of its radially facing surfaces at a location axially between the protrusions and the bridges.



(Comp. Spcn. 14 pages;

Drwgn. Sheets 5)

Ind. Cl. : 195A

174776

Claims 02

Int. Cl. : F 16 K 1/14

Title : "A WATER TAP"

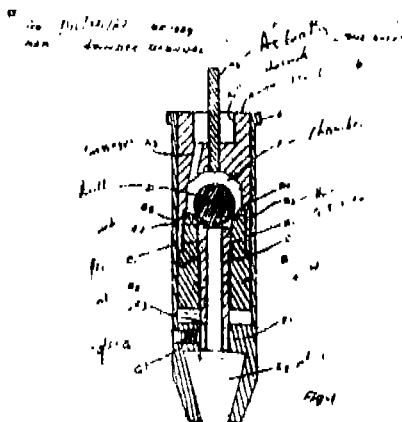
Applicant and Inventor : SURINDER DADHWAL, AN INDIAN NATIONAL OF 1342-A, HOUSING BOARD COLONY, SECTOR-15, A HISAR, HARYANA

Application for Patent Application No. 136/DEL/89 filed on 13/2/89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 8

A water tap to be connected to main water supply pipe comprising a female member, a male member secured to said female member so as to constitute a chamber therebetween, a discharge pipe disposed in a centrally located passage being provided in said male member, an actuator housing secured to the lower end of said discharge pipe being provided for actuating said discharge pipe, a displaceable ball adapted to rest on the upper end of said male member and capable of being displaced by an upward movement of said discharge pipe being provided to allow a discharge of water through said discharge pipe, means being provided with said discharge pipe and actuator housing for preventing an unauthorised removal of the actuator housing, discharge pipe and male member.



(Comp Specn. : 11 pages

Drwgn. Sheet 1)

Ind. Cl. : E21B 10/44, 10/64

174777

Int. Cl. : 131 B, B4 (XXVIII) (3)

AN EXPENDIBLE BIT FOR THE INSTALLATION OF HORIZONTAL DRAINS FOR PREVENTING LANDSLIDES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED, BODY IN INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : 1. TOPPUR KRISHNASWAMY, NATARAJAN

2. VENKATA SRI RAMACHANDRA MURTY AKELIA

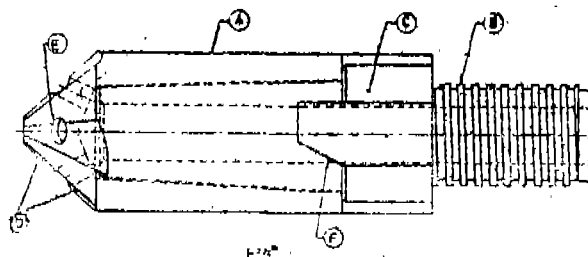
3. DEEP CHANDRA,

4. OSWAL D MASCARENHAS,

Application No. : 674/DEL/88 filed on 04-08-88

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

An expendible bit for the installation of horizontal drains for preventing landslides which comprises a hollow metal part (A), one end of which is tapered and provided with at least three cutting edges (D) having an equal number of holes (E) for passing water during drilling operation, the other end being provided with a detachable hollow coupler (C), the coupler (C) having at least three projections (F) for inter locking through which the coupler gets removably attached with the hollow metal part (A), the coupler (C) also being provided with an adapter (B) having threads through which driller rods are fixed during the drilling operation.



(Comp. Specn.—8

Drwgs.—03)

Ind. Cl. : 174 B.

174778

Int. Cl. : F16F, 9/30.

Title : A METHOD OF MANUFACTURING A SPRING UNIT AND AN APPARATUS FOR DEFORMING ELASTOMER BODIES.

Applicant : POLYMER PAPERS LIMITED, AN INDIAN COMPANY OF SUNLIGHT BUILDING, 1/28, ASAF ALI ROAD, NEW DELHI-110002, INDIA.

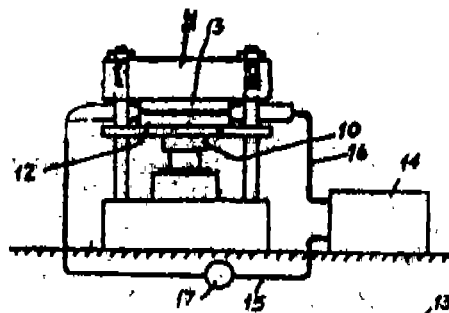
Inventors : GURMIT SINGH,

Application for Patent No. 104/DEL/89 filed on 3 FEB 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 4

An apparatus for deforming elastomer bodies comprising press plates secured to a press ram and to a yoke secured to the frame of said apparatus coacting with each other to squeeze the bodies of elastomer into a predetermined deformed shape characterised in that means consisting of a pipe coil disposed into said press plates, outlet end and inlet end of said coil being connected to a reservoir provided with refrigerant liquid for cooling said deformed bodies and at the same time to freeze said bodies rigidly in said deformed state.



(Comp. Specn. : 11 pages

& Drwgn. Sheets—1)

Ind. Cl. : 40 B

174770

Ind. Cl. : 801J, 27/14, 27/18, 27/182

AN IMPROVED PROCESS FOR CONVERSION OF CRYSTALLINE MICROPOROUS ALUMINOPHOSPHATES TO CRYSTALLINE SILICOALUMINOPHOSPHATES.

Applicant (s) : COUNCIL OF SCIENTIFIC INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETY ACT (ACT XXI OF 1860).

Inventor(s) : VASANT RAMCHANDRA CHOUDHARY, SUBHASH DWARKANATH SANSARE, MFENAKSHI YADUNATH PANDIT

Application for Patent No. 7/DEL/89 filed on 3 Jan., 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 12

An improved process for the conversion of crystalline microporous aluminophosphates to crystalline silicoaluminophosphates having a composition expressed in molar ratio $(\text{SiO})_{2x}$, $(\text{AlO})_{2y}$, $(\text{PO})_{2z}$

where in X, Y and Z represent the mole fractions respectively of silicon, aluminium, phosphorous and fall respectively in the range of 0.01 to 0.4, 0.1 to 0.5 and 0.1 to 0.5, having higher acidity, catalytic activity and shape selectivity without collapse of the crystal structure which comprise reacting the said aluminophosphates having pore size $> 0.7\text{nm}$ with a gaseous silinating agent having the formula $\text{SiH}_2\text{Cl}_{4-a}$

where the value of a is 0, 1, or 2 with or without inert gas at a temperature in the range of $100^\circ\text{--}900^\circ$ and a pressure of 0.1 to 2.0 atms. for a period 0.1 to 1000 hours.

(Comp. Specn. 20 pages;

Drwgn. Sheets-Nil)

Ind. Cl. : 40 B (IV (1)).

174780

Int. Cl. : B 01 D, 53/02

"A PRESSURE SWING ADSORPTION PROCESS FOR THE SEPARATION OF A FEED GAS MIXTURE CONTAINING A LESS READILY ADSORBABLE COMPONENT AND A MORE READILY ADSORBABLE COMPONENT.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventor : 1. DALE ARNOLD 1 AGREE 2. FREDERICK WELLS LEAVITT.

Application No. 701/DEL/88 filed on 12 Aug., 1988.

Appropriate office for opposition proceedings (Rule 4, Patent's Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 07

A pressure swing adsorption process for the separation of a feed gas mixture containing a less readily adsorbable component such as herein described and a more readily adsorbable component such as herein described in an adsorption system having at least two adsorbent beds capable of selectively adsorbing said more readily adsorbable component; each bed, on a cyclic basis, undergoing a processing sequence comprising :

- (a) introducing gas into the product end of the bed following desorption thereof to increase the pressure of the bed from its lower subatmospheric

desorption pressure to a lower intermediate pressure level, said gas having been released from another bed in the system initially at a higher pressure, said passage of gas being continued for a period of time such as to partially, but not fully, equalize the pressure between said beds;

- (b) passing feed gas to the feed end of the bed to increase the pressure thereof from said lower intermediate pressure level to the higher adsorption pressure of the bed, with or without the passage of additional feed gas to the feed end of the bed at said higher adsorption pressure;
- (c) concurrently depressurizing the bed from said higher adsorption pressure to an intermediate pressure by the release of said space gas from the product end thereof, said released gas being passed to the product end of another bed in the system initially at a lower pressure, said passage of gas being continued for a period of time such as to partially, but not fully, equalize the pressure between said beds, the purity of the void space gas degrading in the less readily adsorbable component upon completion of said concurrent depressurization step;
- (d) countercurrently depressurizing the bed with release of the more readily adsorbable component from the feed end of the bed, the pressure of the bed being reduced from the intermediate pressure level to said lower subatmospheric desorption pressure; and
- (e) repeating steps-(a)-(d) on a cyclic basis with additional feed gas being passed to the bed during step (b), whereby a high purity product gas comprising the less readily adsorbable component is conveniently and economically recovered from said feed gas

(Comp. Specn.—29 pages

Drwgn.—Nil)

PATENT SEALEEDON

3-2-95

165037 172245 172996 173593 173725 173742 173744* 173745
173746 173747 173748 173749 173750 173752*D 173754
173756*D 173758*D 173759*D 173761*D 173762 173763*
173764 173766 173767 173768 173769*D 173772 173773
173775 173776 173777 173778 173779

Cal—10, Del—07, Bom-01 & Mas-16.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent.

CLAIM UNDER SECTION 20(1)

In pursuance of leave granted under Section 20 (1) of the Patents Act 1970 application No. 165751 of Kennecott Corporation, has been allowed to proceed in the name of Kennecott Mining Corporation.

AMENDMENT PROCEEDINGS UNDER SECTION-57

The amendments proposed by HYLSA, S. A. de CV, Mexico, in respect of Patent Application No. 183/Mas/87 (169323) as advertised in Part III, Section 2, of the Gazette of India on 14-8-1993 and no opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by ASTURIANA DE ZINC, S. A., in respect of Patent Application No. 450/Mas/88 (171952) as advertised in Part III, Section 2, of the Gazette of India on 3-7-1993 and no opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by SCHUBERT & SALZER MACHINEFABRIK, AKTIENGESellschaft, Germany, in respect of Patent Application No. 438/Mas/88 (172151) as advertised in Part III, Section 2, of the Gazette of India on 4-9-1993 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendment proposed by DAIHEN CORPORATION, Japan, in respect of Patent Application No. 557/Mas/89 (172824) as advertised in Part III, Section 2, of the Gazette of India on 5-2-1994 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by AMPEX CORPORATION, U.S.A., in respect of Patent Application No. 56/Mas/91 (173380) as advertised in Part III, Section 2, of the Gazette of India on 28-5-1994 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by ENGLISH ELECTRIC COMPANY OF INDIA LIMITED, in respect of Patent Application No. 944/Mas/89 (173237) as advertised in Part III, Section 2, of the Gazette of India on 6-8-1994 and no opposition being filed within the stipulated period, the said amendments have been allowed.

AN UP-TO-DATE LIST OF PERSONS WHO HAVE BEEN REGISTERED AS PATENT AGENT AS ON 31-12-1993 UNDER SECTION 126 OF THE PATENT ACT, 1970

01. Abhyankar, D. Sharadchandra, Little & Co., Solicitors, Advocates & Notaries, Central Bank Building, M. G. Road, Bombay-400 023.
02. Acharya, R. H. (Dr.), Law Office of H. K. Acharya & Co., 273, Sarvodaya, Near G.P.O., Ahmedabad-380 001.
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07. Aniladi, P. R., Purshottamdas Gokuldas, 39-D, Onlooker Building, Sir P. M. Road, Fort, Bombay-400 001.
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09. Anand, N. K. Anand Villa, 1, Jaipur Estate, Nizamuddin East, New Delhi-110 013.
10. Anand, P., Anand Villa, 1, Jaipur Estate, Nizamuddin East, New Delhi-110 013.
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14. Balachandran, A., High Court of Madras in Tamilnadu, Tribunals, City Civil Courts, Chamber No. 130, New Law Chambers, High Court of Madras-600 104.
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16. Banerjee, B. L., 8B, Sebak Baidya Street, Calcutta-700 029.
17. Basu, A. (Dr.), 1-B, Old Post Office Street, Room No. 6, Ground Floor, Calcutta-700 001.
18. Bharuchhe, K. B. (Miss), Messrs Jahangir Gulabbhai & Billimoria & Daruwala, Rajabhadur Mansion, 20, Ambalal Doshi Marg, (Hamam Street), Fort, Bombay-400 023.
19. Bhae, M. D., Messrs Bhate & Ponshe, 1423 (new), Shukarwar Peth, Pune-411 002.
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21. Bhattacharyya, R. P., C/o Depenning & Depenning, 19, Govt. Place East, Calcutta-700 069.
22. Biswas, P. K., 26, Garfa Main Road, Jadavpur, Calcutta-700 075.
23. Bose, A., 2, Bishop Lafroy Road, 2nd Floor, Calcutta-700 020.
24. Chaudhury, Deepika, N-128, Panchsheel Park, New Delhi-110 017.
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26. Chakraborty, S., ESCI Law Consultants "SHIVAM CHAMBERS" 4th Floor, 53, Syed Amir Ali Avenue, Calcutta-700 019, India.
27. Chakraborty, P. K., T. P. Datta & Sons, Commerce House, 2, Ganesh Chandra Avenue, Calcutta-700 013.
28. Chugh, G. D., Premier Registration Service, Lawyers Chambers, F-1, New Quatab Road, Delhi-110 006.
29. Dalmia, V. P., 1/276, Sriram Nagar, G. T. Road, Shahdara, Delhi-110 032.
30. Daruwala, A. T. (Mrs.), Rajabhadur Mansion, 20, Ambalal Doshi Marg, Hamam Street, Fort, Bombay-400 023.
31. Daruwala, T. N., M/s. Jahangir Gulabbhai & Billimoria & Daruwala, Rajabhadur Mansion, 20, Ambalal Doshi Marg, Bombay-400 023.
32. Daswani, M. S., M/s. Daswani & Daswani, Jaba Kusum House, First Floor, 34, Chittaranjan Avenue, Calcutta-700 012.
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35. Davar, L. S., M/s. L. S. Davar & Co., and H. V. Williams & Co., Monalisa Flat Nos. 1B, 1C, 17, Camac Street, Calcutta-17.
36. Dave, Priti S. (Mrs.), High Court Road, Bhavnagar-364 001, Gujarat.
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46. Goel, A. K., M/s. Ashoka Trade Marks Co., 14, Amar Chambers, Hahar House, 14P, Cannught Place, New Delhi-110 001.
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50. Gujnani, V., M/s. Lall Lahiri & Salhotra, N-128, Panchsheel Park, New Delhi-110 017.
51. Gupta, D. M/s. Anand & Anand, 1, Jaipur Estate, Nizamuddin East, New Delhi-110 013.
52. Gvalani, V. C., Atur Park Building, No. 3/1, 3rd Floor, S. T. Road, Chambur, Bombay-400 071.
53. Holla, A. R., 64, III Main Road, Vijaynagar, Bangalore-560 040.
54. Japee, A. K. P., 3, Breghtons Road, Kanikapuram, P. Box 970, Madras-600 012.
55. Jhunjhunwala, R. N., 9, Old Post Office Street, Calcutta-700 001.
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59. Joshi, N. K., Chotti Dhantoli, Nagpur.
60. Kalra, S. N., H-32M, Kalkaji, New Delhi-110 019.
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63. Kane, W. S., Servants of India Society's Building, Sardar Vallabhbhai Patel Road, Bombay-400 004.
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65. Kasti, R. K., 18/3, Sandesh Society, Salisbury Park, Pune-411 001.
66. Kayser, I. N., Raja Bahadur Mansion, 2nd Floor, Room No. 5E 20, Ambalal Doshi Marg, Bombay-400 023.
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68. Kombi, Balan, Remfry & Sagar, Remfry House, 8, Mangal Raya Business Centre, New Delhi-110 046.
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70. Kumar, K. (Miss.), 2/135, Khosla Niwas, Telang Cross Road, Matunga, Bombay-400 019.
71. Kurian, P. C., 18, Harrington Road, Chetpet, Madras-600 031.
72. Lall, A. R., N. 128, Panchsheel Park, New Delhi-110 017.
73. Majumdar, S., 5, Khairu Place, Calcutta-700 072.
74. Malhotra, S. C. M/s. International Trade Marks Bureau, Ghia Niwas, 3rd Floor, 73/75, Sutar Chawl, Zaveri Bazar, Bombay-400 002.
75. Mamak, J. M. S., B-464, New Friends Colony, New Delhi-110 065.
76. Mandhane, R. R., Lalji Ramji Building, 3rd Floor, 241-242, Narsi Natha Street, Bala Bazar, Bombay-400 009.
- 76A. C. M. Maniar, Crowford Bayley & Co., State Bank Street, Bombay-23.
77. Marwaha, K. B., 6/322, Raja Park, Jaipur-302 004.
78. Mehrotra, V. B., M/s. Remfry & Sagar, Remfry House, 8, Mangal Raya Business Centre, New Delhi-110 046.
79. Menda, M. G., 6/7, Sorab Bharucha Road, Colaba, Bombay-400 005.
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86. Nair, V. G., 'Alaknanda', 4th Floor, 16, Nepean Sea Road, Bombay-400 036.
87. Nandi, B. N., 2, Gopal Banerjee Lane, Calcutta-700 026.
88. Nandi, D. K., 50E, Raipur Road, Calcutta-700 047.
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90. Niyogi, Bidyut Kumar, 6/7 C, Acharya Jagadish Bose Road, Calcutta-17.
91. Pai, P. B., Messrs. P. S. Pai & Co., Sir Vithalbhai Chambers, 16, Apollo Street, Fort, Bombay-400 001.
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94. Parkar, J. S., 333, Narsi Natha Street, 3rd Floor, Kanta Bazar, Bombay-400 009.
95. Ponkshe, S. S., Messrs. Bhate & Ponkshe, 1423, New Shukriawar Peth, Pune-411 002.
96. Poojari, B. N., M/s. Asian Patents & Trade Marks Attorneys, R. N. 8, 1st Floor, 94-96, Bora Bazar Street, Fort, Bombay-400 001.
97. Prasad, D. C., 95, Muktaram Babu Street, Calcutta-700 007.
98. Prabhakaran, M., Consulta Juris, 214, Dr. D. N. Road, Bombay-1.
99. Prabhakaran, S. G., 152, Thambu Chetty Street, Madras-600 001.
100. Rajagopal, K., C/o. Rajagopalan & Associates, R.N. 6, II floor, Sagar Mill Building, 15, Ganesh Chandra Avenue, Calcutta-700 013.
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102. Ramachandran, S., C 3A/126C, Janakpuri, New Delhi-110 058.
103. Ramakrishnan, N. M., M/s. R. K. Dewan & Co., 78, Poddar Chambers, S. A. Brelvi Road, Fort, Bombay-400 001.
104. Ramana, C. V., 21.34.3, Kotha Road, Visakhapatnam-530 001.
105. Rangarajan, S., 152, Thambu Chetty Street, Madras-600 001.
106. Ranjana, R.P. (Mrs.) 16, 2nd Cross, H.M.T. Lay Out, Mathikeri, Bangalore-560 054.
107. Rao, C. S., CGE-11B, Central Govt. Employees Colony, Kuppan Beach Road, Tiruvannamur, Madras-600 041.
108. Rao, K. H., 12-10-651/3, Road No. 2, Indiranagar, Warasiguda, Secunderabad-500 361, Andhra Pradesh.
109. Rao, M. K., M/s. Kamath & Kamath, 101, Armenian Street, Madras-600 001.
110. Mehta, T., 6047, Jamna Dass Building, Ambala Cantt-133 001, Ambala.
111. Rao, V. N., /7, Madhugiri Apartment, 408, Sion Trombay Road, Chembur, Bombay-400 071.
112. Ray, B. C., 22/20, Manohar Pukur Road, Calcutta-700 029.
113. Roy, A. N., M/s. Saba, Ghosh & Co., RCTC Building, 11, Russel Street, Calcutta-700 071.
114. Roychowdhury, S. K., 33, Baket Road, Alipore, Calcutta-700 027.

115. Sagar, J., M/s. J. Sagar Associates, 16, Aradhana, Ring Road, R. K. Puram, XIII, New Delhi-110 066.
116. Sagar, P., 739, Sadar Bazar, Gandhi Chowk, Karnal, Haryana.
117. Sagar, V. (Dr.), M/s. Remfry & Sagar, Remfry House, 8, Nangal Raya Business Centre, New Delhi-110 046.
118. Saha, A. M., M/s. Trade Marks Registration Bureau, 1, Netaji Subhash Road, Calcutta-700 001.
119. Sahni, A., 2489, Malowa Street, Pahar Ganj, New Delhi-110 055.
120. Salhotra, A. (Mrs.), N. 128, Panchsheel Park, New Delhi-110 017.
121. Sarkar, J. S., J. S. Sarkar & Co., 2, Onrait First Lane, Calcutta-700 014.
122. Sarkar, M. C., AE-725, Sector-1, Salt Lake, Calcutta-700 064.
123. Sen, Anjan, 17, Chakraberia Road, South, Calcutta-700 025.
124. Sen, D., D. Sen & Co., 6, Old Post Office Street, Ground Floor, Calcutta-700 001.
125. Senh, H. C-27, Greater Kailash Enclave-1, New Delhi-110 048.
- 125A. Shah, B. S., Crawford Bavlav & Co., State Bank Buildings, Bank Street, Bombay-23.
126. Shah, I. S. (Miss), Anant Ashish, Amrakunj Extension, Near Atmajyoti Ashram, Baroda-390 007.
127. Shah, S. B., Anant Ashish, Amrakunj Extension, Near Atmajyoti Ashram, Baroda-390 007.
128. Shah, S. M., C/o. N. E. Shah, Yusuf Building, Veer Nariman Road, Fort, Bombay-400 023.
129. Shah, V. F., M/s. Shah & Shah, 654, J. Shankar Shet Marg, Bombay-400 002.
130. Shah, R. R., 101, Sarap Building, Opp. Navjeevan Press, Near Gujarat Vidyapeeth, Ahmedabad-380 014.
131. Shaikh, S. A., New Delhi, Chawl No. 11/78 Group No. 4, Haryali Village, Vikhroli (E), Bombay-400 083.
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136. Srinivasan, T. P., 24/4, Lake Terrace, Calcutta-700 029.
137. Srivastava, U. K., Consulta Juris, Empire House, 3rd Floor, 214, Dr. D. N. Road, Fort, Bombay.
138. Subramaniam, H., M/s. Remfry & Sagar, Remfry House, 8, Nangal Raya Business Centre, New Delhi-110 046.
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143. Vaidyanathan, K. S., 152, Thambu Chetty Street, Madras-600 001.

144. Veeraraghavan, V., 10, Second Main Road, CIT Colony, Mylapore, Madras-600 004.
145. Vinobaji, A. J., Andalatt House, Thathapilly P. O., N. Parur, Kerala.
146. Virmani, C. K., M/s. Lall Lahiri & Salhotra, N-128, Panchsheel Park, New Delhi-110 017.
147. Visveswaran, R., 152, Second Floor, Thambu Chetty Street, Madras-600 090.
148. Yadav, R. P., M/s. L. S. Davar & Co., Flats 1B&1C, 'Monalisa', 17, Camac Street, Calcutta-700 017.
149. Venkatasubramaniam, C., Door No. 15, Cross No. 17, Cubbonpet, Bangalore-560 002.
150. Wadehra, B. L., The White House, M-131, Greater Kailash-II, New Delhi-110 048.
151. Wasni, V. K., 32/33, Brundavan Society, Next to Sri Rang Society, Thane (W)-400 601.

CESSATION OF PATENTS

165175	165205	165215	165226	165227	165233	165276
165277	165283	165285	165309	165317	165330	165361
165372	165391	165399	165408	165424	165426	165469
165477	165478	165479	165480	165490	165508	165521
165523	165529	165545	165563	165576	165578	165616
165617	165642	165666	165684	165705	165713	165721
165732						

RENEWAL FEES PAID

153097	153749	154232	154448	154802	155111	155477
155573	155609	155660	155698	155855	156278	156522
156553	156660	156863	156867	156896	157199	157321
157387	158327	158356	158357	158358	158669	158856
159097	159275	159425	159450	159495	159667	159702
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160928	161018	161172	161286	161394	161477	161619
161708	161723	161784	161793	161795	161806	161807
161835	161918	161928	161982	162093	162130	162190
162217	162307	162613	162758	162829	162970	163659
164329	164471	164549	164834	164835	164949	164950
164968	165016	165017	165049	165058	165126	165169
165182	165335	165336	165337	165430	165449	165724
165757	166086	166318	166365	166370	166409	166410
166421	166444	166752	167222	167351	167352	167373
167935	167988	168009	168250	168271	168385	168512
168623	168825	168946	169085	169257	169475	169480
169870	170034	170071	170209	170867	170884	170912
170924	170954	171244	171249	171260	171409	171423
171640	171651	171920	172012	172110	172131	172173
172275	172308	172330	172335	172339	172362	172364
172368	172369	172384	172396	172469	172542	172587
172588	172597	172604	172653	172662	172689	172690
172791	172854	172861	172871	172872		

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 166913 & 166914, Narvada International E 153, Kalkaji, New Delhi-110 019, India, an Indian Partnership firm, "TOOTH BRUSH", 7th March, 1994.

Class 1. No. 167582, Indian Sanitary Industries, 1830, Lal Darwaza Bazar, Sirkiwala, Lal Kuan, Delhi-110 006, India, an Indian Partnership firm, "CISTERN TANK", 2nd June, 1994.

Class 1. No. 167584, Harish Chhabra, Proprietor Siri Ram and Sons, 7531/1, Tel Mill Marg, Ram Nagar, Paharganj, New Delhi-110 055, India, "THE SHAPE OF THE FAN (ELECTRICAL)", 2nd June, 1994.

Class 1. No. 167695, Sudarsan Varadaraj, an Indian national of India House, Trichy Road, Coimbatore-641018, Tamil Nadu, India, "TYRE BUFFER", 22nd June, 1994.

Class 1. No. 167586, NCL Industries Ltd., Raghava Ratna Towers, VII floor, 5-8-352, Chirag Ali Lane, Hyderabad-500 001, A. P., India, "PROFILE USED IN BUILDING STRUCTURES", 2nd June, 1994.

Class 3. No. 167577, Shah Engineering, Dayasagar, Bhayander (E), Thane-401 105, Maharashtra, India; a partnership firm, "PAPER LOCK", 31st May, 1994.

Class 3. No. 167652, Reliable Electricals Bk. No. 268, Near Jhulelal Mandir, Ulhasnagar-421-001, Maharashtra, India, an Indian sole proprietary firm, "FLEX BOX", 20th June, 1994.

Class 4. No. 167519, McDowell & Co. Ltd., McDowell House, 3, Second Line Beach, Madras-600 001, Tamilnadu, India, "BOTTLE", 18th May, 1994.

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